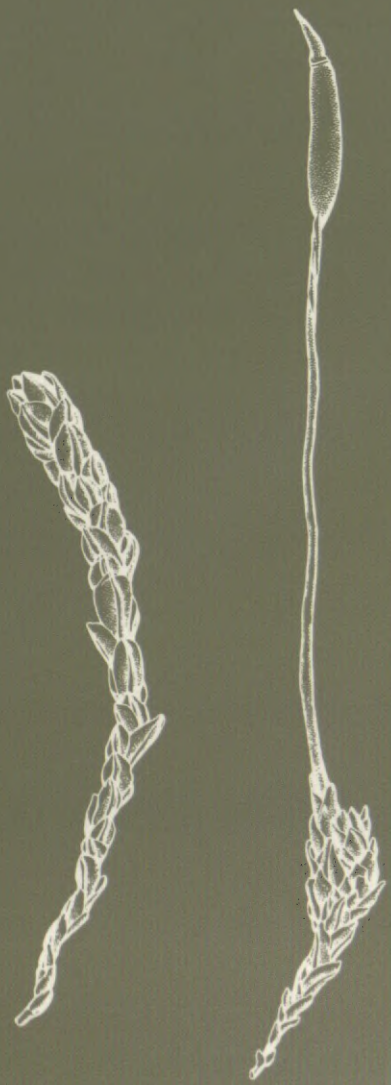
LATMOSS

A Catalogue of Neotropical Mosses

Claudio Delgadillo M.

Bernardina Bello

Angeles Cárdenas S.



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Missouri Botanical Garden

LATMOSS

The elegant title page illustrations are of two species of the endemic LATMOSS genus *Aloinella, A. catenula*, left, and *A. boliviana*, right. They are by Patricia M. Eckel and originally appeared as part of plate 77 in Richard H. Zander's *Genera of Pottiaceae, mosses of harsh environments* (Bull. Buffalo Soc. Nat. Sci. 32), which appeared in December 1993. See also Delgadillo M. (1975) in the LATMOSS Literature Cited. We thank Richard Zander and the Buffalo Society of Natural Sciences for permission to reproduce the drawings here.

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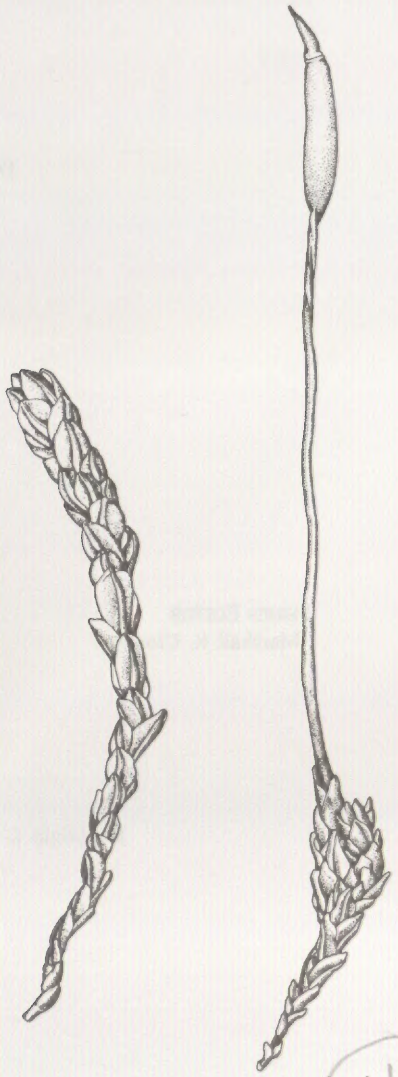

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INTRODUCTION

Although the distribution of mosses has been of interest to many bryologists even before Herzog (1926) produced his monumental work *Geographie der Moose*, only in the north temperate countries has it been comparatively well documented. In the rest of the world, but especially in the tropics, the information is usually insufficient to determine the range of species or the general distribution of the flora. Under these circumstances, questions regarding the history, dispersal, and ecological factors that govern the distribution of mosses cannot be answered with any degree of accuracy.

The idea of a catalogue of Latin American mosses originated from correspondence with Steven P. Churchill, of The New York Botanical Garden. In mid May 1989 he suggested that the preparation of a database based on the literature would help our studies on Latin American bryophytes. Because our research was mostly concerned with Mexico and the Neotropics and had already produced preliminary listings of Mexican taxa, however, we opted for a narrower geographical coverage while retaining the label LATMOSS for the resulting database. The geographical extent of the area of study, the Neotropics, encompasses Mexico south to the northern borders of Argentina, Chile, Paraguay, and Uruguay, as well as the West Indies and the Galápagos Islands.

The LATMOSS database contains seven fields: number, species epithet, variety, synonym, range, altitude, and bibliographic reference. The characteristics of each field were described elsewhere (Delgadillo, 1992). Information from the LATMOSS database was transferred to a word processor, but other than some modification in the alphabetical sequence of taxa, the dropping of the catalogue number, and the reärrangement of information within each entry, the present catalogue is the same as the original database. The arrangement of the catalogue is strictly alphabetical by genus, species, infraspecies.

This catalogue contains more than 4000 records of specific and infraspecific taxa compiled in LATMOSS through 1993. The specific epithet cited is usually a validly published name that the compilers accept or that reflects the opinion expressed in a published monograph. The citation of the name of a variety, when available, follows a similar criterion, but an autonym is not necessarily given; the typical variety may not occur in the Neotropics, or this information was not provided in the literature.

LATMOSS offers no nomenclatural novelties; certain taxonomic concepts are duplicated when the appropriate combinations are unavailable. Thus, for example, both *Callicostella*, which has been proposed and approved for conservation (Magill, 1993; Nicholson, 1993), and *Schizomitrium* are represented in this catalogue even though they are usually regarded as synonyms (M. R. Crosby, pers. comm.). *Eriopus* was proposed for conservation against *Calyptrochaeta*, but apparently no decision was reached by the Bryophyte Committee (Magill, 1993). According to Crosby (pers. comm.), the latter is the accepted name. In LATMOSS both genera contain accepted epithets.

Because of the structure of the database, only one synonym may be cited; when included, the basionym or a well known synonym is given. The data on the distribution of taxa are cited from north to south according to the following codes:

NA = North America
NA1 = Greenland
NA2 = Alaska
NA3 = Canada
NA4a = Western United States
NA4b = Eastern United States
NA5 = Mexico

CA = Central America
CA1 = Guatemala
CA2 = Belize
CA3 = El Salvador
CA4 = Honduras
CA5 = Nicaragua
CA6 = Costa Rica
CA7 = Panama

SA0 = Colombia
SA2 = Venezuela
SA3 = Guyana
SA4 = Suriname
SA5 = French Guiana
SA6 = Ecuador
SA7 = Peru
SA8 = Bolivia
SA9 = Brazil
SA10 = Chile
SA11 = Paraguay
SA12 = Argentina
SA13 = Uruguay
SA14 = Falkland Islands

Bahamas = Bahama Islands

WI = West Indies
WIa1 = Cuba
WIa2 = Jamaica
WIa3 = Haiti
WIa4 = Dominican Republic
WIa5 = Puerto Rico
Virgin Is = Virgin Islands
WIb = Lesser Antilles

Is G = Galápagos Islands
J Fdez = Juan Fernandez Islands

When the range of a taxon includes areas outside the Neotropics, the names of the areas are given in alphabetical order after the American distribution. In a few cases, the abbreviation for a major continental division is cited along with that for a country to indicate that the species in question is not endemic or that the bibliographic information is imprecise. The use of such terms as cosmopolitan, subcosmopolitan, or pantropical is preferred when the distributional data are incomplete.

For the compilation of data the groundwork was laid by several floristic lists such as those by Bowers (1974), Crum (1951), Florschütz de Waard and Florschütz (1979), Hermann (1976), and Pursell (1973). In the course of the bibliographic revision, emphasis shifted toward monographs and other revisionary work so that the original list was considerably modified. Selected floristic lists were consulted when it was established that there was little or no information for certain countries, and the nomenclature was confronted against standard sources. The bibliographical references that complement each entry thus represent our sources of range data, nomenclature, and altitudinal ranges. However, due to the size of the field in the database, not all references were always indicated. Full references were stored and retrieved from a separate database (NEOTROPI).

In its catalogue form, LATMOSS has incorporated the data we required for our research and may be an aid or a source of information for taxonomic, floristic, and phytogeographical investigations. In its database form it may be constantly revised to produce updated listings of the neotropical moss flora or for individual countries. However, in order to serve broader interests and offer new possibilities, the database will become part of another program. Transfer of information has been successful from Open Access to DBase IV and to Q&A, and these may provide temporary management until the newer version is completed in TROPICOS.

Grateful thanks are extended to Angel Motito, Academia de Ciencias de Cuba, who provided a list of Cuban mosses; Inés Sastre-de Jesús and William R. Buck, who let us compare our findings to those in an unpublished manuscript on the mosses of Puerto Rico; and Jacques van Rooy, National Herbarium, Pretoria, who provided useful data on African mosses. Peter H. Raven, Marshall R. Crosby, and the editorial staff of the Missouri Botanical Garden are thanked for supporting the publication of this Catalogue. Crosby was especially helpful with certain nomenclatural difficulties.

Acaulon muticum (Hedw.) C. Müll. var. *muticum*
Dist.: NA4b, WIa4, WIb, Africa, Europe.
Alt.: 2194 m.
Ref.: Buck 1989c, Crum & Anderson 1981.

Acaulon muticum (Hedw.) C. Müll. var. *rufescens* (Jaeg.) Crum
Dist.: NA, NA5.
Ref.: Cárdenas 1988.

Acaulon nanum C. Müll.
Dist.: SA9, SA11.
Ref.: Yano 1981, Buck 1985a.

Acaulon schimperianum (Sull.) Sull. ex Sull. & Lesq.
Dist.: NA4, NA5.
Ref.: Crum & Anderson 1981.

Acaulon uleanum C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Acidodontium exaltatum (Mitt.) Jaeg.
Dist.: SA6, SA7, SA8.
Alt.: 1400–2800 m.
Ref.: Ochi 1980, Steere 1948.

Acidodontium heteroneuron (Mitt.) Broth.
Dist.: SA6, SA7, SA8.
Alt.: 2600–3950 m.
Ref.: Ochi 1980, 1990, Steere 1948.

Acidodontium lanceolatifolium Ochi
Dist.: SA7.
Alt.: 2000–2050 m.
Ref.: Ochi 1980, Menzel 1992.

Acidodontium lonchotrachylon (C. Müll.) Broth.
Syn.: *Acidodontium brachypodium* (C. Müll.) Broth.
Dist.: SA8.
Alt.: 2200–2600 m.
Ref.: Ochi 1980, Hermann 1976.

Acidodontium longifolium (Par.) Broth.
Dist.: CA1, SA7, SA8.
Alt.: 3900–4300 m.
Ref.: Ochi 1980, Menzel 1992.

Acidodontium megalocarpum (Hook.) Ren. & Card.
Dist.: CA1, CA6, SA0, SA6, SA7, SA8, WIa1.
Alt.: 30–4050 m.
Ref.: Ochi 1980, Steere 1948.

Acidodontium pallidum Herz.
Syn.: *Acidodontium spinicuspis* Broth.
Dist.: SA7, SA8.
Alt.: 2100–3500 m.
Ref.: Ochi 1980, 1990, Hermann 1976.

Acidodontium ramicola (Mitt.) Jaeg.
Dist.: SA6, SA8.
Alt.: 1200 m.
Ref.: Ochi 1980, Hermann 1976.

Acidodontium rhamphostegium (Hampe) Jaeg.
Dist.: SA0.
Ref.: Churchill 1989.

Acidodontium seminerve Hook. f. & Wils.
Dist.: NA5, SA0, SA6, SA7, WIa2.
Alt.: 2438–3950 m.
Ref.: Bourell 1992, Ochi 1980, Steere 1948.

Acidodontium sprucei (Mitt.) Jaeg.
Syn.: *Acidodontium macropoma* (C. Müll.) Broth.
Dist.: SA6, SA7, SA8, SA12.
Alt.: 1500–3048 m.
Ref.: Ochi 1980, 1982, 1990.

Acidodontium subrotundum (Tayl.) Hook. f. & Wils.
Dist.: SA6, SA7.
Alt.: 500–3600 m.
Ref.: Ochi 1980, Hegewald & Hegewald 1985.

Acidodontium trachyticola (C. Müll.) Broth.
Dist.: SA6.
Alt.: 2743–3048 m.
Ref.: Steere 1948.

Acritodon nephophilus Robins.
Dist.: NA5.
Ref.: Robinson 1964.

Acroporium acestrostegium (Sull.) Crum & Steere
Dist.: WIa1, WIa3, WIa5, WIb.
Ref.: Buck & Steere 1983, Crum & Steere 1957.

Acroporium caespitosum (Hedw.) Buck
Syn.: *Leskea caespitosa* Hedw.
Dist.: WIa1, WIa2, WIa3, WIa4, WIa5, Europe.
Ref.: Buck 1983c.

Acroporium catharinense Sehnem
Dist.: SA9.
Ref.: Yano 1981.

Acroporium estrellae (C. Müll.) Buck & Schäfer-Verwimp
Syn.: *Schraderobryum ulicinum* (Mitt.) Fleisch.
Dist.: NA5, CA, SA0, SA2, SA6, SA8, SA9, WIa1, WIa4, WIa5.
Alt.: 20–1524 m.
Ref.: Buck & Schäfer-Verwimp 1993, Crum 1986b, Steere 1948.

Acroporium exiguum (Broth.) Buck & Schäfer-Verwimp
Syn.: *Schraderobryum exiguum* Fleisch.
Dist.: SA9.
Alt.: 600–730 m.
Ref.: Buck & Schäfer-Verwimp 1993.

Acroporium guianense (Mitt.) Broth.
Dist.: SA3, SA9.
Ref.: Yano 1989.

Acroporium intricatum Thér.
Syn.: *Trichosteleum intricatum* (Thér.) J. Florsch.-de Waard
Dist.: SA3, SA4, SA5, SA9.
Ref.: Florschütz-de Waard 1990.

Acroporium lamprophyllum Mitt.
Dist.: SA9, Java, Samoa.
Ref.: Yano 1989, Schultze-Motel 1971.

Acroporium longirostre (Brid.) Buck
Syn.: *Sematophyllum sericifolium* Mitt.
Dist.: NA5, CA1, CA6, northern SA, SA9, WIa1, WIa2, WIa5.
Ref.: Bizot 1973, Buck 1983c.

Acroporium pungens (Hedw.) Broth.
Syn.: *Schraderobryum subpungens* (C. Müll.) Fleisch.
Dist.: NA5, CA1, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb.
Alt.: 500–2400 m.
Ref.: Crum 1986b, Hermann 1976.

Actinodontium portoricense Crum & Steere
Dist.: SA0, SA2, WIa5.
Ref.: Welch 1971a, 1976, Pursell 1973.

Actinodontium sprucei (Mitt.) Jaeg.
Dist.: CA6, SA0, SA6, WIb, Is G.
Alt.: 914 m.
Ref.: Welch 1974, 1976, Steere 1948.

Actinodontium standleyi Bartr.
Dist.: NA5, CA1, CA6.
Ref.: Welch 1974, 1976.

Adelothecium bogotense (Hampe) Mitt.
Dist.: NA5, CA1, CA3, CA4, CA5, CA6, CA7, SA0, SA2, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, Africa, Madagascar.
Alt.: 1372–2697 m.
Ref.: Crosby 1971a, Buck & Steere 1983, Ochyra et al. 1992.

Aerobryidium aureo-nitens (Schwaegr.) Broth.
Dist.: SA9, Asia.
Ref.: Noguchi 1976, Yano 1989.

Aerobryopsis cirrifolia (Schwaegr.) Broth. ex Par.
Dist.: SA9, Africa.
Ref.: Yano 1989.

Aerobryopsis martinicensis (Broth.) Spessard
Syn.: *Aerobryopsis mexicana* Card.
Dist.: NA5, CA, WIa2, WIa4, WIa5.
Ref.: Buck & Steere 1983.

Aerobryopsis wallichii (Brid.) Fleisch.
Syn.: *Aerobryopsis longissima* (Dozy & Molk.) Fleisch.
Dist.: NA5, CA, SA9, WIa4, Australia.
Ref.: Noguchi 1976, Buck & Steere 1983.

Aligrimmia peruviana Williams
Dist.: SA7.
Alt.: 2250 m.
Ref.: Deguchi 1987a, Menzel 1992.

Allioniella cryphaeoides Broth.
Dist.: SA6.
Alt.: 900–1000 m.
Ref.: Steere 1948.

Aloina aloides (Schultz) Kindb. var. *ambigua* (Bruch & Schimp.) Craig
Dist.: NA4a, NA5, Africa, Australia, Azores, Canary Islands, Europe, Turkey, USSR.
Ref.: Delgadillo 1975.

Aloina apiculata (Bartr.) Delg.
Syn.: *Aloinella apiculata* Bartr.
Dist.: WIa2.
Ref.: Delgadillo 1975.

Aloina bifrons (De Not.) Delg.
Dist.: NA4a, NA5, SA10, Africa, Australia, Europe, New Zealand.
Ref.: Delgadillo 1975.

Aloina catillum (C. Müll.) Broth.
Dist.: SA7, SA12.
Alt.: 3000–4100 m.
Ref.: Delgadillo 1975, Menzel 1992.

Aloina hamulus (C. Müll.) Broth.
Syn.: *Aloina longirostris* Card.
Dist.: NA4b, NA5, CA1, CA3.
Alt.: 2200–2700 m.
Ref.: Delgadillo 1975.

Aloina rigida (Hedw.) Limpr.
Dist.: NA3, NA4, NA5, SA6, SA7, SA8, Africa, Asia, Europe.
Alt.: 2775–4570 m.
Ref.: Delgadillo 1975, Menzel 1992.

Aloina roseae (Williams) Delg.
Syn.: *Crossidium peruvianum* Broth.
Dist.: SA7.
Alt.: 200–750 m.
Ref.: Delgadillo 1975.

Aloinella andina Delg.
Dist.: SA7.
Alt.: 3000–3100 m.
Ref.: Delgadillo 1975, Menzel 1992.

Aloinella boliviana Broth. in Herz.
Dist.: SA7, SA8.
Alt.: 3900–4300 m.
Ref.: Delgadillo 1975, Menzel 1992.

Aloinella catenula Card.
Syn.: *Aongstroemia cucullata* Thér.
Dist.: NA5, SA6.
Alt.: 2700–4020 m.
Ref.: Delgadillo 1975.

Aloinella cucullatifolia (C. Müll.) Broth.
Syn.: *Aloina cucullatifolia* (C. Müll.) Broth.
Dist.: SA7.
Alt.: 4300–4400 m.
Ref.: Delgadillo 1975, Menzel 1992.

Aloinella cucullifera (Mitt.) Steere
Syn.: *Tortula cucullifera* Mitt.
Dist.: SA6, SA7.
Alt.: 3353 m.
Ref.: Delgadillo 1975, Steere 1948.

Aloinella venezuelana Griffin
Dist.: SA2.
Alt.: 3800–4000 m.
Ref.: Griffin 1975b.

Alsia californica (Hook. & Arnott) Sull.
Dist.: NA3, NA4a, NA5.
Ref.: Manuel 1974.

Amblystegium glaziovii Broth.
Dist.: SA9.
Ref.: Yano 1981.

Amblystegium serpens (Hedw.) B.S.G. var. *juratzkanum* (Schimp.) Rau & Herv.
Dist.: NA2, NA3, NA4, NA5, CA1, SA6, Africa, Asia, Caucasus, Europe, Japan.
Ref.: Crum & Anderson 1981.

Amblystegium serpens (Hedw.) B.S.G. var. *serpens*
Dist.: NA2, NA3, NA4, NA5, CA1, SA0, SA6, SA7, SA10, J Fdez, Africa, Asia, Caucasus, Europe, Japan.
Alt.: 1676–2743 m.
Ref.: Robinson 1975, Steere 1948.

Amblystegium sparsifolium (Hampe) Jaeg.
Dist.: SA9, SA12.
Ref.: Yano 1981.

Amblystegium varium (Hedw.) Lindb.
Dist.: NA3, NA4, NA5, CA1, CA7, SA7, SA8, WIa3, WIa4, Africa, Australia, Caucasus, Europe, Macaronesia, Siberia.
Alt.: 900–1900 m.
Ref.: Buck & Steere 1983, Menzel 1992.

Amblytropis denticulata Thér.
Dist.: WIa1.
Ref.: Welch 1976, Duarte 1982.

Amblytropis gemmacea (Mitt.) Broth.
Dist.: SA0.
Ref.: Churchill 1989.

Amblytropis hispidula (Mitt.) Broth.
Dist.: SA0.
Ref.: Churchill 1989.

Amblytropis ovata (Mitt.) Broth.
Dist.: SA0.
Ref.: Churchill 1989.

Amblytropis setosa (Mitt.) Broth.
Dist.: SA6.
Alt.: 1219–1524 m.
Ref.: Steere 1948.

Amphidium cyathicarpum (Mont.) Broth.
Dist.: NA5, CA1, SA0, SA2, SA6, SA7, SA8, WIa4, Africa, Australia, Canary Islands, Hawaii, New Guinea, New Zealand.
Alt.: 2000–4550 m.
Ref.: Sloover 1973, Buck & Steere 1983.

Amphidium tortuosum (Hornsch.) Robins.
Dist.: SA0, J Fdez, Africa.
Ref.: Robinson 1975, Kis 1985.

Anacamptodon compactus (Thér.) Buck
Syn.: *Anacamptodon mexicanus* Buck & Crum
Dist.: NA5.
Ref.: Buck & Crum 1978, Buck 1980a.

Anacamptodon cubensis (Sull.) Mitt.
Dist.: SA2, SA7, SA8, SA9, WIa1, WIa5.
Alt.: 450 m.
Ref.: Buck & Crum 1978, Menzel 1992.

Anacolia laevisphaera (Tayl.) Flow.
Dist.: NA2, NA3, NA4, NA5, CA1, CA3, SA0, SA2, SA6, SA7, SA9, WIa4, J Fdez, Africa, India.
Alt.: 1690–4100 m.
Ref.: Sloover 1975, Robinson 1975.

Anacolia menziesii (Turn.) Par.
Dist.: NA2, NA3, NA4a, NA5.
Ref.: Flowers 1952.
Andreaea acutifolia Hook. f. & Wils.
Dist.: SA0, SA10.
Ref.: Churchill 1989.
Andreaea angustifolia Broth. in Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Andreaea arachnoidea C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.
Andreaea barbuloides Broth. in Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Andreaea brevipes Spruce
Dist.: SA0, SA6, SA7, WIa4.
Alt.: 3650–4650 m.
Ref.: Steere 1948, Menzel 1992.
Andreaea clavata Broth. in Herz.
Dist.: SA7, SA8.
Alt.: 4800 m.
Ref.: Menzel 1986a, 1992, Hermann 1976.
Andreaea dissitifolia Broth. in Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Andreaea erythrodictyon Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Andreaea karsteniana C. Müll.
Dist.: SA6.
Ref.: Steere 1948.
Andreaea laticuspis Broth. in Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Andreaea lorentziana C. Müll.
Dist.: southern SA, SA8.
Ref.: Hermann 1976.
Andreaea microphylla C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Andreaea nitida Hook. f. & Wils.
Syn.: *Andreaea subenervis* Hook. f. & Wils.
Dist.: SA0, SA6, SA8, SA10, Africa, Australia, New Guinea, New Zealand, Tristan da Cunha.
Alt.: 4600–4650 m.
Ref.: Steere 1948, Schultze-Motel 1970.
Andreaea peruviana Broth.
Dist.: SA7.
Alt.: 5100 m.
Ref.: Menzel 1992.
Andreaea robusta Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Andreaea rupestris Hedw.
Syn.: *Andreaea turgescens* Schimp.
Dist.: NA1, NA2, NA3, NA4a, NA4b, NA5, CA1, CA6, SA0, SA2, SA7, SA8, SA9, WIa4, Africa, Asia, Australia, Europe, Hawaii, Japan.
Alt.: 2500–5000 m.
Ref.: Crum & Anderson 1981, Florschütz-de Waard & Florschütz 1979.
Andreaea seriata Mitt.
Dist.: SA6.
Alt.: 5300 m.
Ref.: Steere 1948.
Andreaea spurio-alpina C. Müll.
Dist.: SA9.
Ref.: Schäfer-Verwimp 1991.
Andreaea squarrosa Mitt.
Dist.: SA6, SA8, Africa.
Ref.: Steere 1948, Hermann 1976.
Andreaea squarroso-filiformis C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Andreaea striata Mitt.
Dist.: SA6, SA8, SA9.
Alt.: 4800 m.
Ref.: Steere 1948, Hermann 1976.
Andreaea subulata Harv. in Hook.
Syn.: *Andreaea hamulata* Herz.
Dist.: SA0, SA8, SA9, SA10, Africa, Australia, New Zealand.
Ref.: Florschütz-de Waard & Florschütz 1979.
Andreaea tunariensis Broth. in Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Andreaea urophylla Robins.
Dist.: SA6.
Alt.: 4200 m.
Ref.: Robinson, Holm-Nielsen & Lojtnant 1977.
Andreaea vilocensis Broth. in Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Andreaea vulcanica Lor.
Dist.: SA6.
Alt.: 3353–4650 m.
Ref.: Steere 1948.

Andreaea wilsonii Hook. f.
Syn.: *Acroschisma wilsonii* (Hook. f. & Wils.) Jaeg.
Dist.: SA6, SA7, SA10.
Alt.: 3353 m.
Ref.: Steere 1948, Mahu 1979, Menzel 1992.

Anisothecium brachydontium Crum
Dist.: WIa5.
Ref.: Crum & Steere 1957.

Anisothecium campylophyllum (Tayl.) Mitt.
Dist.: SA6, SA8.
Alt.: 4000–4400 m.
Ref.: Steere 1948, Hermann 1976.

Anisothecium convolutum (Hampe) Mitt.
Dist.: SA0, SA6.
Ref.: Florschütz-de Waard & Florschütz 1979.

Anisothecium hookeri (C. Müll.) Broth.
Dist.: southern SA, SA0, SA6, SA8, SA9, WI, Africa, Antarctica, Australia, New Zealand.
Alt.: 2400 m.
Ref.: Florschütz-de Waard & Florschütz 1979.

Anisothecium laxirete Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Anisothecium macrostomum (C. Müll.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Anisothecium planinervium (Tayl.) Mitt.
Dist.: SA6.
Ref.: Steere 1948.

Anisothecium rufescens (With.) Lindb.
Dist.: NA, CA6, Asia, Europe.
Ref.: Bowers 1974.

Anisothecium submacrostomum (Broth.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Anisothecium vaginatum (Hook.) Mitt.
Dist.: CA6, SA6, SA9, Africa.
Alt.: 1676 m.
Ref.: Florschütz-de Waard & Florschütz 1979.

Anoectangium aestivum (Hedw.) Mitt.
Syn.: *Anoectangium calidum* Mitt.
Dist.: NA3, NA4a, NA4b, NA5, CA1, CA3, CA4, CA5, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, SA12, WIa1, WIa2, WIa3, WIa4, WIa5, WIb, Africa, Asia, Australia, Europe.
Alt.: 300–4400 m.
Ref.: Zander 1977b, Buck & Steere 1983.

Anoectangium brachyphyllum Broth. in Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Anoectangium herzogii Broth. in Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Anoectangium lineare (C. Müll.) Broth.
Dist.: SA7, SA8.
Alt.: 2150 m.
Ref.: Menzel 1992, Hermann 1976.

Anoectangium pflanzii Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Anoectangium platyphyllum Williams
Dist.: SA7.
Alt.: 4570 m.
Ref.: Menzel 1992.

Anoectangium weisioides C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.

Anomobryum clavicaule (C. Müll.) Broth.
Dist.: SA0, SA2.
Ref.: Pursell 1973, Churchill 1989.

Anomobryum conicum (Hornsch.) Broth.
Syn.: *Bryum conicum* Hornsch.
Dist.: NA5, CA6, SA0, SA2, SA6, SA7, SA8, SA9, Hawaii.
Alt.: 1000–4000 m.
Ref.: Ochi 1980, 1982, Menzel 1992.

Anomobryum filiforme (Dicks.) Solms. in Rabenh. var. *concinnatum* (Spruce) Boul.
Syn.: *Anomobryum concinnatum* (Spruce) Lindb.
Dist.: NA5, SA7; Northern Hemisphere.
Alt.: 1400–3600 m.
Ref.: Ochi 1980, Menzel 1992.

Anomobryum filiforme (Dicks.) Solms. in Rabenh.
var. *filiforme*
Syn.: *Bryum filiforme* Dicks.
Dist.: NA5, Ca1, CA3, CA6, CA7, SA0, SA6, SA7, SA8, SA9, SA10, SA13, WIa1, WIa2, WIa4, Africa, Europe; subcosmopolitan.
Alt.: 200–4570 m.
Ref.: Allen 1988, Ochi 1980, Yano 1989.

Anomobryum filinerve (Mitt.) Broth.
Dist.: SA6, SA7.
Alt.: 914–2050 m.
Ref.: Steere 1948, Menzel 1992.

Anomobryum humillimum (Britt.) Broth.
Syn.: *Bryum humillimum* C. Müll.
Dist.: SA7, SA8, SA10, SA12, SA13.
Alt.: 50–3600 m.
Ref.: Ochi 1980, 1982, 1990, Menzel 1992.

Anomobryum obtusatissimum (C. Müll.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Anomobryum ochianum Shaw
Dist.: SA13.
Ref.: Shaw & Fife 1984.

Anomobryum perimbricatum (Broth.) Broth.
Dist.: SA9, Africa.
Ref.: Yano 1989.

Anomobryum plicatum Card.
Syn.: *Bryum plicatum* (Card.) Ochi
Dist.: NA5, CA1, CA6, SA0, SA2, SA7.
Alt.: 2220–4200 m.
Ref.: Bartram 1949, Ochi 1978, 1980, 1990.

Anomobryum polysetum Shaw
Dist.: NA5.
Alt.: 2713 m.
Ref.: Shaw 1986.

Anomobryum prostratum (C. Müll.) Besch.
Syn.: *Bryum prostratum* C. Müll.
Dist.: NA5, SA0, SA2, SA6, SA7, SA8, SA9, SA10, SA12.
Alt.: 2350–4700 m.
Ref.: Ochi 1980, Hegewald & Hegewald 1985.

Anomobryum pycnobaseum (C. Müll.) Broth.
Dist.: SA2.
Ref.: Pursell 1973.

Anomobryum robustum Broth. in Herz.
Syn.: *Bryum rotundifolium* Ochi
Dist.: SA0, SA7, SA8.
Alt.: 2600–4600 m.
Ref.: Ochi 1990, Hegewald & Hegewald 1985.

Anomobryum semiovatum (Brid.) Jaeg.
Dist.: NA5, CA1, CA3, CA6, SA0, SA2, SA6, SA8.
Alt.: 680–2896 m.
Ref.: Bowers & Sharp 1975, Griffin 1975a.

Anomobryum sharpii Shaw ex Shaw & Fife
Dist.: NA5.
Ref.: Shaw & Fife 1984.

Anomobryum soquense (Par.) Broth.
Dist.: CA, SA8.
Ref.: Hermann 1976.

Anomobryum steerei Shaw
Dist.: SA8.
Alt.: 4500 m.
Ref.: Shaw 1987.

Anomobryum tereticaule (Card.) Shaw
Syn.: *Anomobryopsis tereticaulis* Card.
Dist.: NA5.
Ref.: Ochi 1981b, Shaw & Fife 1984.

Anomobryum worthleyi Robins.
Syn.: *Bryum worthleyi* (Robins.) Menzel
Dist.: SA7.
Alt.: 610–2134 m.
Ref.: Robinson 1967b, Menzel 1992.

Anomodon attenuatus (Hedw.) Hüb.
Syn.: *Anomodon wrightii* C. Müll.
Dist.: NA4, NA5, CA1, WIa1, WIa2, WIa4, Asia, Caucasus, Europe.
Alt.: 610–2530 m.
Ref.: Gier 1980, Buck & Steere 1983.

Anomodon minor (Hedw.) Lindb.
Dist.: NA4, NA5, CA1.
Alt.: 1219–2134 m.
Ref.: Gier 1980.

Anomodon rostratus (Hedw.) Schimp.
Dist.: NA4, NA5, CA1, WIa1, WIa2, WIa3, Asia, Bermuda, Europe.
Alt.: 792–3139 m.
Ref.: Gier 1980, Buck & Steere 1983.

Anomodon thraustus C. Müll.
Dist.: NA5, China, India, Japan, Korea, Pakistan.
Alt.: 1219 m.
Ref.: Gier 1980.

Anomodon viticulosus (Hedw.) Hook. & Tayl.
Dist.: NA4b, NA5, Africa, Asia, Canary Islands, Caucasus, Europe, Himalayas, Japan, Siberia.
Ref.: Gier 1980.

Aongstroemia hatschbachii Sehnem
Dist.: SA9.
Ref.: Yano 1989.

Aongstroemia jamaicensis C. Müll.
Syn.: *Aongstroemia filiformis* (P. Beauv.) Wijk & Marg.
Dist.: NA5, CA1, CA6, SA0, SA7, WIa1, WIa2, WIa4, WIa5, Africa, Madagascar, Réunion.
Alt.: 2750 m.
Ref.: Buck & Steere 1983, Duarte n.d.

Aongstroemia julacea (Hook.) Mitt.
Syn.: *Gymnostomum julaceum* Hook.
Dist.: NA5, CA6, SA0, SA6, SA7, SA8, Africa, Himalayas, Japan.
Alt.: 2900–4650 m.
Ref.: Florschütz-de Waard & Florschütz 1979.

Aongstroemia maculata C. Müll.
Dist.: SA0, SA7.
Ref.: Florschütz-de Waard & Florschütz 1979.

Aongstroemia orientalis Mitt.
Dist.: NA5, CA1, CA3, SA9, Burma, China, India, Philippines, Taiwan.
Alt.: 1250–4572 m.
Ref.: Schäfer-Verwimp 1991.

Aphanorrhegma serratum (Hook. & Wils.) Sull.
Dist.: NA3, NA4b, WIa1.
Ref.: Crum & Anderson 1981, Duarte n.d.

Aptychella caudata Herz.
Dist.: SA0, SA8.
Ref.: Robinson 1967a, Hermann 1976.

Aptychella linearifolia Herz.
Dist.: SA0, SA8.
Ref.: Robinson 1967a, Hermann 1976.

Aptychella proligera (Broth.) Herz.
Syn.: *Aptychella americana* (Card.) Broth.
Dist.: NA5, CA6, SA0, SA2, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa4.
Alt.: 1615–3850 m.
Ref.: Buck & Steere 1983, Steere 1985.

Aptychopsis pungifolia (Hampe) Broth.
Syn.: *Schraderobryum horeaui* Broth. & Thér.
Dist.: SA9.
Ref.: Buck & Schäfer-Verwimp 1993, Yano 1989.

Aptychopsis pycnodonta Herz.
Dist.: SA0.
Ref.: Churchill 1989.

Aptychopsis pyrrhophylla (C. Müll.) Wijk & Marg.
Syn.: *Aptychopsis fulva* (Hornsch.) Fleisch.
Dist.: SA9.
Ref.: Schäfer-Verwimp 1991.

Aptychopsis subpungifolia (Broth.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Archidium acauloides Schwab
Dist.: NA5.
Ref.: Cárdenas 1988.

Archidium alternifolium (Dicks. ex Hedw.) Schimp.
Dist.: NA, NA5, Africa, Azores, Canary Islands, Europe.
Ref.: Snider 1975.

Archidium amplexicaule C. Müll.
Dist.: SA13, Africa.
Ref.: Snider 1975, Magill 1981.

Archidium cubense Williams
Dist.: WIa1.
Ref.: Snider 1975.

Archidium donnellii Aust.
Dist.: southern and eastern NA, NA5, WIa1.
Ref.: Snider 1975, Duarte n.d.

Archidium hallii Aust.
Dist.: NA4b, NA5, SA12.
Ref.: Snider 1975.

Archidium ohioense Schimp. ex C. Müll.
Dist.: NA, NA5, SA4, SA5, WI, Africa, Ceylon, China, India, Japan, New Caledonia.
Ref.: Snider 1975, Florschütz-de Waard 1990.

Archidium tenerrimum Mitt.
Dist.: NA4b, NA5.
Ref.: Snider 1975.

Aschisma aethiopicum (Welw. & Duby) Lindb.
Dist.: NA5, Africa.
Alt.: 2450–2700 m.
Ref.: Cárdenas 1988, Kis 1985.

Aschisma occultum Roth
Dist.: SA9, WI.
Ref.: Yano 1989.

Astomiopsis amblyocalyx C. Müll.
Syn.: *Astomiopsis kieneri* (Bartr.) Delg. & Cárde.
Dist.: NA5, SA0, SA8, SA12, Africa, China, Mt. Everest.
Alt.: 3600 m.
Ref.: Snider 1987, Hermann 1976.

Astomiopsis exserta (Bartr.) Snider
Syn.: *Pleuridium exsertum* Bartr.
Dist.: NA5.
Alt.: 3540–3580 m.
Ref.: Snider 1987.

Astomiopsis ×altivallis Delg.
Dist.: NA5.
Alt.: 3370–3640 m.
Ref.: Delgadillo 1989.

Astomum cryptocarpum Broth.
Dist.: SA9.
Ref.: Yano 1989.

Astomum fruchartii (C. Müll.) Broth.
Dist.: SA11.
Ref.: Buck 1985a.

Astomum latifolium Broth. in Roth
Dist.: SA9.
Ref.: Yano 1981.

Astomum lindigii (Hampe) Jaeg.
Dist.: SA0.
Ref.: Churchill 1989.

Astomum lonchophyllum Roth
Dist.: SA9.
Ref.: Yano 1989.

Astomum lorentzii (C. Müll.) Broth.
Dist.: SA11.
Ref.: Buck 1985a.

Astomum mollifolium (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1989.

Atractylocarpus brasiliensis (C. Müll.) Williams
Syn.: *Metzleria brasiliensis* (C. Müll.) Par.
Dist.: SA9.
Ref.: Padberg & Frahm 1985, Frahm 1991.

Atractylocarpus longisetus (Hook.) Bartr.
Syn.: *Campylopus laxiretis* Herz.
Dist.: NA5, CA1, CA3, CA4, CA6, CA7, SA0, SA2, SA3, SA6, SA7, SA8, SA9.
Alt.: 1500–4150 m.
Ref.: Padberg & Frahm 1985, Steere 1948.

Atractylocarpus namus Williams
Dist.: SA7.
Alt.: 2450 m.
Ref.: Frahm 1991, Menzel 1992.

Atractylocarpus spiripes (C. Müll.) Herm.
Dist.: SA8.
Ref.: Florschütz-de Waard & Florschütz 1979.

Atrichum androgynum (C. Müll.) Jaeg.
Dist.: NA5, CA1, CA6, SA0, SA2, SA6, SA7, SA8, SA9, SA10, WIa1, WIa2, Africa, Australia, New Zealand.
Ref.: Sloover 1986, Nyholm 1971.

Atrichum angustatum (Brid.) B.S.G.
Syn.: *Atrichum muelleri* Schimp. in Besch.
Dist.: NA4b, NA5, CA1, CA3, WIa1, WIa2, WIa3, WIa4, Europe.
Alt.: 1130–2350 m.
Ref.: Nyholm 1971, Buck & Steere 1983.

Atrichum elamellosum (Herz.) Frye & Duck.
Dist.: SA8.
Ref.: Nyholm 1971, Hermann 1976.

Atrichum mosenii (Broth.) Par.
Dist.: SA9.
Ref.: Yano 1989.

Atrichum nigricans (Herz.) Herm.
Dist.: SA8.
Ref.: Hermann 1976.

Atrichum oerstedianum (C. Müll.) Mitt.
Dist.: NA5, CA1, CA3, CA4, CA5, CA6, CA7, SA0.
Alt.: 1080–2600 m.
Ref.: Nyholm 1971, Crosby 1969b.

Atrichum pastasanum (Lindb.) Mitt.
Dist.: SA6.
Alt.: 1524 m.
Ref.: Steere 1948.

Atrichum polycarpum (C. Müll.) Mitt.
Dist.: NA5, CA, SA0, SA6, SA8, WIa4.
Alt.: 1500–3000 m.
Ref.: Buck & Steere 1983, Steere 1948.

Atrichum riograndense (Broth.) Par.
Dist.: SA9.
Ref.: Yano 1981.

Aulacomnium palustre (Hedw.) Schwaegr.
Dist.: NA1, NA3, NA4, NA5, SA0, SA7, WIa4, Africa, Asia, Europe, Japan, New Zealand.
Alt.: 3350–4400 m.
Ref.: Buck & Steere 1983, Kis 1985.

Aulacomnium turgidum (Wahl.) Schwaegr.
Dist.: NA1, NA2, NA3, NA4b, NA5, Africa, Europe, Japan, Siberia.
Alt.: 2286 m.
Ref.: Kis 1985.

Aulacomnium venezuelanum Mitt.
Dist.: SA2.
Ref.: Pursell 1973.
Aulacopilum glaucum Wils.
Dist.: SA9, SA12, Australia, New Zealand.
Ref.: Yano 1989, Crum 1972.
Aulacopilum schaeferi Crum
Dist.: SA9.
Alt.: 950 m.
Ref.: Crum 1988.
Aulacopilum tumidulum Thwaites & Mitt.
Syn.: *Aulacopilum brittoniae* Pursell
Dist.: NA5, SA11, Sri Lanka.
Alt.: 0–3353 m.
Ref.: Crum 1972, Pursell 1966a.
Austinia tenuinervis (Mitt.) C. Müll.
Dist.: NA5, SA7, SA9, WIa1.
Ref.: Buck & Crum 1978, Menzel 1992.
Barbella acunae Thér.
Dist.: WIa1.
Ref.: Duarte n.d.
Barbella conferva (C. Müll.) Broth.
Dist.: SA2.
Ref.: Pursell 1973.
Barbella pendula (Sull.) Fleisch.
Dist.: NA4b, NA5, CA, WIa4, Asia.
Alt.: 914–2103 m.
Ref.: Buck & Steere 1983, Steere 1985.
Barbella tenuissima (Hook. f. & Wils.) Fleisch. in Broth.
Syn.: *Meteoridium tenuissimum* (Hook. & Wils.) Lewis
Dist.: CA6, SA0, SA6, SA7, SA8.
Alt.: 1000–3000 m.
Ref.: Churchill 1991a, Lewis 1992.
Barbella trichophora (Mont.) Fleisch. ex Broth.
Syn.: *Barbella cubensis* (Mitt.) Broth.
Dist.: NA5, CA1, CA4, CA7, SA0, SA6, SA7, WIa1, WIa2, WIa3, WIa4, Australia, Ceylon, India, Japan.
Alt.: 60–2800 m.
Ref.: Norris & Koponen 1985, Steere 1948, Streimann 1993.
Barbula agraria Hedw.
Dist.: NA5, CA1, CA3, SA3, SA4, SA5, SA9, Bahamas, WIa1, WIa3, WIa4, WIa5, WIb.
Alt.: 0–350 m.
Ref.: Zander 1979, 1981a, Reese 1991a).
Barbula appressifolia (Mitt.) Jaeg.
Dist.: SA0, SA7.
Ref.: Menzel 1992, Churchill 1989.
Barbula arcuata Griff.
Syn.: *Barbula subulifolia* Sull.
Dist.: NA5, CA1, CA6, SA2, SA3, SA6, SA8, SA9, WIa1, WIa3, WIa4, WIa5, Asia, Japan, New Guinea, Oceania, Philippines.
Alt.: 150–2134 m.
Ref.: Zander 1979, 1981a, Steere 1948.
Barbula austro-revoluta Besch. in Britt.
Dist.: SA8.
Ref.: Hermann 1976.
Barbula brachymenia (Mitt.) Jaeg.
Dist.: SA6.
Ref.: Steere 1948.
Barbula calyculosa (Mitt.) Jaeg.
Dist.: SA6, SA9.
Alt.: 2134 m.
Ref.: Steere 1948.
Barbula campylocarpa (Tayl.) C. Müll.
Dist.: CA6, SA0, SA2, SA6, SA8.
Alt.: 2134–3048 m.
Ref.: Steere 1948, Crum & Richards 1984.
Barbula capillipes Broth.
Dist.: SA9.
Ref.: Yano 1981.
Barbula chocayensis Broth. & Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Barbula convoluta Hedw.
Dist.: NA, NA5, Africa, Europe, New Zealand.
Ref.: Zander 1981a, Kis 1985.
Barbula costaricensis Ren. & Card.
Dist.: CA6, SA8.
Ref.: Bowers 1974.
Barbula costata (Mitt.) Jaeg.
Dist.: SA6, SA7.
Alt.: 2134–4570 m.
Ref.: Steere 1948, Menzel 1992.
Barbula crassicostata Bartr.
Dist.: CA1, SA7.
Alt.: 2100–4550 m.
Ref.: Hegewald & Hegewald 1985.
Barbula decolorans Hampe
Dist.: SA0, SA6, SA8.
Ref.: Steere 1948, Robinson 1967a.

Barbula ecuadoriensis Broth.
Dist.: SA2, SA6.
Alt.: 3150–3900 m.
Ref.: Steere 1948, Pursell 1973.

Barbula ehrenbergii (Lor.) Fleisch.
Dist.: NA4a, NA5, CA2, WIa1, Africa, Asia, Europe.
Ref.: Zander 1979, 1981a, Kis 1985.

Barbula fendleri C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.

Barbula fidelis Crum & Steere
Dist.: WIa3, WIa4.
Ref.: Crum & Steere 1958, Steere 1985.

Barbula frigida C. Müll.
Dist.: SA7.
Alt.: 4550 m.
Ref.: Menzel 1992.

Barbula fuscinervia Mitt. & Jaeg.
Dist.: SA7, SA10.
Ref.: Menzel 1992.

Barbula glaucescens Hampe
Dist.: SA0, SA8.
Ref.: Hermann 1976, Churchill 1989.

Barbula granulosa Thér.
Dist.: SA6.
Ref.: Steere 1948.

Barbula hispaniolensis (Crum & Steere) Buck & Steere
Syn: *Barbula leptodontoides* Crum & Steere
Dist.: WIa3.
Alt.: 610–792 m.
Ref.: Buck & Steere 1983.

Barbula humboldtii Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Barbula hyalinobasis Broth.
Dist.: SA6.
Alt.: 3300 m.
Ref.: Steere 1948.

Barbula imperfecta (C. Müll.) Broth.
Dist.: southern SA, SA8.
Ref.: Hermann 1976.

Barbula indica (Hook.) Spreng. var. *gregaria* (Mitt.) Zand.
Syn.: *Barbula gregaria* (Mitt.) Jaeg. & Sauerb.
Dist.: NA3, NA5, SA9, Japan.
Alt.: 220 m.
Ref.: Zander 1981a, Schäfer-Verwimp 1992.

Barbula indica (Hook.) Spreng. var. *indica*
Syn.: *Barbula cruegeri* Sond. ex C. Müll.
Dist.: NA3, NA4, NA5, CA1, CA2, CA6, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIa1, WIa3, WIa4, WIa5, WIb, Africa, China, Hawaii, India, Japan, Nepal, New Guinea, Philippines.
Alt.: 0–3900 m.
Ref.: Zander 1981a, Florschütz-de Waard 1990.

Barbula integrifolia (Williams) Zand.
Dist.: SA7.
Alt.: 3000–4100 m.
Ref.: Hegewald & Hegewald 1985.

Barbula laevigata (Mitt.) Jaeg.
Dist.: SA6, SA8, WIa4.
Alt.: 2400–3900 m.
Ref.: Buck & Steere 1983, Steere 1948.

Barbula ligularis (Mitt.) Jaeg.
Dist.: SA6.
Ref.: Steere 1948.

Barbula linearis Web. & Mohr
Syn.: *Tuerckheimia linearis* (Web. & Mohr) Britt.
Dist.: SA9, WIa1, WIa2, WIa3, WIa4, WIa5.
Ref.: Zander 1978b, Buck & Steere 1983.

Barbula linguaecuspis Broth.
Dist.: SA6.
Alt.: 3200 m.
Ref.: Steere 1948.

Barbula longirostris Hampe
Dist.: SA0, SA8, Africa.
Ref.: Kis 1985, Hermann 1976.

Barbula malagana Crum
Dist.: SA7.
Ref.: Menzel 1992.

Barbula munyensis Williams
Dist.: SA7.
Alt.: 2150 m.
Ref.: Menzel 1992.

Barbula novo-granatensis Hampe
Dist.: SA0.
Ref.: Churchill 1989.

Barbula occidentalis (Mitt.) Broth.
Syn.: *Tortula occidentalis* Mitt.
Dist.: SA7.
Alt.: 600 m.
Ref.: Menzel 1992.

Barbula orizabensis C. Müll.
Dist.: NA5, CA1, WIa2, WIa4.
Alt.: 910–1850 m.
Ref.: Zander 1979, 1981a.
Barbula pflanzii (Broth.) Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Barbula pruinosa (Mitt.) Jaeg.
Dist.: SA6, SA7.
Alt.: 2600–3500 m.
Ref.: Hegewald & Hegewald 1985.
Barbula punae Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Barbula repicta Tayl.
Dist.: SA7.
Ref.: Menzel 1992.
Barbula riograndense Bartr.
Dist.: SA9.
Ref.: Yano 1981.
Barbula rothii Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Barbula sambakiana Broth.
Dist.: SA9.
Ref.: Yano 1989.
Barbula stenocarpa Hampe
Dist.: SA0.
Ref.: Churchill 1989.
Barbula subcespitosa (Hampe) Broth.
Dist.: SA0.
Ref.: Churchill 1989.
Barbula subglaucescens C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.
Barbula subreplicata Broth.
Dist.: SA6, SA7.
Alt.: 300–600 m.
Ref.: Menzel 1992.
Barbula tenuicoma C. Müll. ex Broth.
Dist.: SA9.
Ref.: Yano 1981.
Barbula tristis Hampe
Dist.: SA8.
Ref.: Hermann 1976.
Barbula unguiculata Hedw.
Dist.: NA, NA5, SA7, SA8, SA9, Africa, Asia, Azores, Europe, Hawaii, Japan.
Alt.: 2000 m.
Ref.: Zander 1979, Menzel 1992.

Barbula vulcanica Lor.
Dist.: SA6.
Alt.: 2743–3658 m.
Ref.: Steere 1948.
Bartramia ambigua Mont.
Dist.: SA7, SA8.
Ref.: Menzel 1992, Hermann 1976.
Bartramia anacolioides Broth.
Dist.: SA7.
Alt.: 4400 m.
Ref.: Menzel 1992.
Bartramia angustifolia Mitt.
Syn.: *Bartramia squarrosa* Herz.
Dist.: CA6, SA0, SA2, SA6, SA7, SA8, WIa4.
Alt.: 3200–4000 m.
Ref.: Allen 1988, Buck & Steere 1983.
Bartramia auricola C. Müll. ex Britt.
Dist.: SA8.
Ref.: Hermann 1976.
Bartramia brevifolia Brid.
Dist.: SA2.
Ref.: Pursell 1973.
Bartramia brotheri Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Bartramia cacaltayae Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Bartramia costaricensis C. Müll. in Polak.
Dist.: CA6.
Ref.: Bowers 1974.
Bartramia defolians Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Bartramia didymocarpa Schimp. ex C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.
Bartramia flavicans Mitt.
Dist.: SA0, SA2, SA6, SA7, SA8, Africa.
Alt.: 3100–4300 m.
Ref.: Griffin & Hegewald 1986.
Bartramia glauca Lor.
Dist.: NA4a, NA5.
Ref.: Crum 1951.
Bartramia halleriana Hedw.
Dist.: western NA, NA5, SA9, SA10, Africa, Asia, Europe, New Zealand.
Alt.: 2170 m.
Ref.: Matteri 1984, Kis 1985.

Bartramia hampeana C. Müll.
Dist.: SA8, Africa.
Ref.: Kis 1985, Hermann 1976.
Bartramia humilis Mitt.
Dist.: SA0, SA7, WIa4.
Alt.: 2750–3000 m.
Ref.: Griffin & Hegewald 1986.
Bartramia ithyphylla Brid.
Syn.: *Bartramia ithyphylloides* Schimp. ex C. Müll.
Dist.: NA1, NA2, NA3, NA4, NA5, SA7, SA8, SA10, Africa, Asia, Europe.
Alt.: 2750–3100 m.
Ref.: Matteri 1984, Kis 1985.
Bartramia longifolia Hook.
Syn.: *Bartramia macropoma* Herz.
Dist.: SA0, SA7, SA8, SA9.
Alt.: 3950–4150 m.
Ref.: Griffin & Hegewald 1986.
Bartramia martiana Hampe
Dist.: SA9.
Ref.: Yano 1989.
Bartramia mathewsii Mitt.
Dist.: NA5, CA1, SA0, SA2, SA6, SA7.
Alt.: 3000–4400 m.
Ref.: Griffin & Hegewald 1986.
Bartramia micrangia Herz.
Dist.: southern SA, SA8.
Ref.: Matteri 1984, Hermann 1976.
Bartramia microstoma Mitt.
Dist.: NA4a, NA5, CA1, CA6, SA2.
Alt.: 3280–3400 m.
Ref.: Griffin 1975a.
Bartramia mollis Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Bartramia perpumila C. Müll.
Dist.: southern SA, SA8.
Ref.: Hermann 1976.
Bartramia perpusilla C. Müll.
Dist.: SA7, SA8.
Alt.: 2150–2750 m.
Ref.: Menzel 1992, Hermann 1976.
Bartramia persistata Broth.
Dist.: SA7.
Alt.: 5100 m.
Ref.: Menzel 1992.
Bartramia pilicuspis Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Bartramia polytrichoides C. Müll.
Dist.: SA0, SA7, SA8.
Alt.: 3900–4400 m.
Ref.: Griffin & Hegewald 1986.
Bartramia potosica Mont.
Syn.: *Bartramia fragilifolia* C. Müll.
Dist.: NA5, CA1, CA6, SA0, SA2, SA6, SA7, SA8, WIa4.
Alt.: 2400–5000 m.
Ref.: Griffin & Hegewald 1986, Menzel 1992, Steere 1985.
Bartramia pruinata Herz.
Dist.: SA7, SA8.
Alt.: 4150 m.
Ref.: Griffin & Hegewald 1986.
Bartramia rosea Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Bartramia rufescens Hampe
Dist.: SA9.
Ref.: Yano 1989.
Bartramia schimperi C. Müll.
Dist.: NA5.
Ref.: Crum 1951.
Bartramia secunda Schimp. ex C. Müll.
Dist.: SA2, SA8.
Ref.: Hermann 1976, Pursell 1973.
Bartramia strumosa (Hampe) Mitt.
Dist.: CA6, SA0, SA8.
Ref.: Bowers 1974, Churchill 1989.
Bartramia subithyphylla Besch
Dist.: CA, SA8.
Ref.: Hermann 1976.
Bartramia thelioides C. Müll.
Dist.: SA0, SA7.
Alt.: 2400 m.
Ref.: Allen 1988, Menzel 1992.
Bartramia thrausta Schimp. ex Britt.
Dist.: CA, SA6, SA7, SA8.
Alt.: 2750 m.
Ref.: Matteri 1984, Steere 1948.
Bartramidula roylei (Hook. f.) B.S.G.
Dist.: SA9, Asia.
Ref.: Yano 1989.
Blindia acuta (Hedw.) Bruch & Schimp.
Dist.: CA1, SA0, Africa.
Ref.: Bartlett & Vitt 1986, Churchill 1989.
Blindia curviseta Mitt.
Dist.: southern SA, SA6.
Ref.: Steere 1948.

Blindia gradsteinii Bartlett & Vitt
Dist.: SA0.
Ref.: Bartlett & Vitt 1986, Churchill 1989.

Blindia magellanica Schimp. var. *inundata* (Card.) Herz.
Dist.: SA0.
Ref.: Churchill 1989, 1991a.

Blindia sonsoniae C. Müll.
Dist.: SA0.
Alt.: 2743 m.
Ref.: Bartlett & Vitt 1986, Churchill 1989.

Brachydontium curvisetum Crum
Dist.: NA5.
Alt.: 2000–2500 m.
Ref.: Crum 1987a.

Brachydontium flexisetum (Hampe) Par.
Dist.: SA0.
Ref.: Florschütz-de Waard & Florschütz 1979.

Brachydontium notorogenes Buck & Schäfer-Verwimp
Dist.: SA9.
Alt.: 2640–2700 m.
Ref.: Buck & Schäfer-Verwimp 1992.

Brachydontium olsonii Bowers & Allen
Dist.: CA4.
Ref.: Bowers & Allen 1990.

Brachymenium acuminatum Harv. in Hook.
Dist.: NA5, CA6, SA6, SA7, SA8, SA9, SA10, SA12, SA13, WI, Africa, Asia, Australia, Madagascar.
Alt.: 270–3700 m.
Ref.: Ochi 1972, 1980, 1982, Kis 1985.

Brachymenium coarctatum Bosch & Lac.
Dist.: SA8, SA9, Annam, Indonesia.
Ref.: Ochi 1980.

Brachymenium columbicum (De Not.) Broth.
Syn.: *Osculatia columbica* De Not.
Dist.: SA0, SA6.
Alt.: 914 m.
Ref.: Steere 1948.

Brachymenium consimile (Mitt.) Jaeg. & Sauerb.
Dist.: NA5, CA6, SA0, SA2, SA6, SA7.
Alt.: 2000–2450 m.
Ref.: Ochi 1978, 1980, Steere 1948.

Brachymenium daguense (Besch.) Par.
Dist.: SA0.
Ref.: Churchill 1989.

Brachymenium exile (Dozy & Molk.) Bosch & Lac.
Syn.: *Anomobryum mucronatulum* Card.
Dist.: NA5, CA1, CA3, CA5, CA6, SA2, SA6, SA7, SA8, SA9, Is G, Africa, Asia, Fiji, Hawaii, Japan, Madagascar.
Alt.: 1255–3900 m.
Ref.: Ochi 1972, 1980, 1985, Kis 1985.

Brachymenium fabronioides (C. Müll.) Par.
Dist.: NA5, SA6, SA7, SA8, SA9, SA12, WIa4, Is G.
Alt.: 500–4100 m.
Ref.: Ochi 1980, Gradstein & Weber 1982.

Brachymenium globirameum (C. Müll.) Kindb.
Dist.: SA2.
Ref.: Pursell 1973.

Brachymenium globosum Jaeg. & Sauerb.
Syn.: *Bryum filicicola* Herz.
Dist.: NA5, CA1, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, WIa1, WIa4, WIa5, Is G.
Alt.: 500–4000 m.
Ref.: Ochi 1980, Gradstein & Weber 1982.

Brachymenium hornschuchianum Mart.
Dist.: SA9.
Alt.: 450–2000 m.
Ref.: Ochi 1980, 1982, Yano 1989.

Brachymenium klotzschii (Schwaegr.) Par.
Syn.: *Brachymenium macrocarpum* Card.
Dist.: NA4b, Na5, CA1, SA7, SA8, SA9, Is G.
Alt.: 460–2000 m.
Ref.: Ochi 1980, Gradstein & Weber 1982.

Brachymenium melanopyxis (C. Müll.) Par.
Dist.: SA2.
Ref.: Pursell 1973.

Brachymenium mexicanum Mont.
Dist.: NA4a, NA5, CA1, CA3, CA6, CA7, WIa2.
Alt.: 0–2743 m.
Ref.: Ochi 1980, Winkler 1965.

Brachymenium morasicum Besch.
Syn.: *Brachymenium subcrinitum* Par.
Dist.: SA0, SA9.
Alt.: 2100–3000 m.
Ref.: Ochi 1980, Yano 1989.

Brachymenium murale Schimp. ex Besch.
Dist.: NA5.
Alt.: 2170 m.
Ref.: Ochi 1980.
Brachymenium niveum Besch.
Dist.: NA5.
Alt.: 1450 m.
Ref.: Ochi 1980.
Brachymenium patulum (C. Müll.) Schimp. ex Besch.
Dist.: NA5.
Ref.: Ochi 1980.
Brachymenium pendulum Mont.
Syn.: *Brachymenium rugosum* (C. Müll.) Jaeg.
Dist.: SA9, Asia.
Ref.: Ochi 1985.
Brachymenium peraristatum (C. Müll.) Par.
Dist.: SA2, SA9.
Ref.: Ochi 1980, Yano 1989.
Brachymenium pulchellum Hornsch.
Dist.: SA9.
Ref.: Yano 1989.
Brachymenium radiculosum (Schwaegr.) Hampe
Syn.: *Brachymenium brevipes* Broth.
Dist.: NA5, CA6, SA2, SA8, SA9.
Alt.: 1000–3300 m.
Ref.: Ochi 1978, 1980, Hermann 1976.
Brachymenium regnellii Hampe
Dist.: SA9.
Ref.: Ochi 1980, Yano 1989.
Brachymenium robertii Broth.
Dist.: SA7, SA10, SA12.
Alt.: 3200–4800 m.
Ref.: Ochi 1982, Hegewald & Hegewald 1985.
Brachymenium saint-pierrei Thér.
Dist.: NA5.
Ref.: Ochi 1980.
Brachymenium sipapoense Bartr. in Maguire & Wurdack
Dist.: SA2, SA4, SA5, SA9.
Ref.: Florschütz-de Waard 1990.
Brachymenium speciosum (Hook. f. & Wils.) Steere
Dist.: NA4a, NA4b, CA6, CA7, SA0, SA2, SA3, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4.
Alt.: 1000–3658 m.
Ref.: Ochi 1978, 1980, Buck & Steere 1983.
Brachymenium spirale Besch.
Dist.: SA11.
Ref.: Buck 1985a.
Brachymenium spirifolium (C. Müll.) Jaeg. & Sauerb.
Dist.: NA5.
Alt.: 1000–1500 m.
Ref.: Ochi 1980.
Brachymenium standleyi Bartr.
Dist.: CA6.
Alt.: 1600 m.
Ref.: Ochi 1980.
Brachymenium svihlae Bartr.
Dist.: CA6.
Ref.: Bowers 1974.
Brachymenium systylium (C. Müll.) Jaeg. & Sauerb.
Dist.: NA4a, NA5, CA1, CA2, CA3, CA4, CA6, CA7, SA6, SA7, SA8, SA9, SA12, WIa4, Is G, Africa, Asia.
Alt.: 1130–3200 m.
Ref.: Ochi 1980, 1982, 1985, Steere 1948.
Brachymenium wrightii (Sull.) Broth.
Dist.: NA4b, NA5, SA4, SA5, WIa1, WIa3, WIa4, WIb.
Alt.: 500–2600 m.
Ref.: Ochi 1980, Florschütz-de Waard 1990.
Brachymitrion cochabambae (C. Müll.) A. Kop.
Dist.: NA5, CA, SA8.
Ref.: A. Koponen 1977, 1983.
Brachymitrion jamesonii Tayl.
Syn.: *Tayloria tortelloides* Thér.
Dist.: NA5, CA, SA0, SA2, SA6, SA7, SA8, Africa.
Alt.: 2000–3950 m.
Ref.: A. Koponen 1977, 1983, Griffin 1975a.
Brachymitrion laciniatum (Spruce) A. Kop.
Syn.: *Tayloria laciniata* Spruce
Dist.: SA6.
Alt.: 2700 m.
Ref.: A. Koponen 1977.
Brachymitrion moritzianum (C. Müll.) A. Kop.
Syn.: *Tayloria moritziana* C. Müll.
Dist.: NA5, CA6, SA0, SA2, SA6, SA8, Africa.
Alt.: 914–2700 m.
Ref.: A. Koponen 1977, 1983, Steere 1948.
Brachythecium albicans (Hedw.) B.S.G.
Dist.: NA1, NA3, NA4, NA5, Australia, Europe, New Zealand.
Ref.: Crum & Anderson 1981.

Brachythecium asperulum Jaeg.
Dist.: SA0, SA6, SA7, SA9.
Alt.: 2750–3000 m.
Ref.: Steere 1948, Menzel 1992.

Brachythecium austrosalebrosum (C. Müll.) Kindb.
Dist.: SA7.
Ref.: Allen 1988, Menzel 1992.

Brachythecium bolivioplumosum C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.

Brachythecium calliergonoides Broth. ex Ihs.
Dist.: CA, SA8.
Ref.: Hermann 1976.

Brachythecium cavifolium Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Brachythecium chocayae Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Brachythecium chrysocladon (Hampe) Jaeg.
Dist.: SA0, SA7.
Ref.: Hegewald & Hegewald 1985.

Brachythecium cirriphylloides McFarland
Dist.: NA5, CA1, SA0, SA2.
Alt.: 1524–3000 m.
Ref.: McFarland 1992a, Sharp, Crum & Eckel 1994.

Brachythecium cochleare C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.

Brachythecium collinum (Schleich. ex C. Müll.) B.S.G.
Dist.: NA1, NA4, NA5, Europe.
Alt.: 1000–3000 m.
Ref.: Crum 1951.

Brachythecium condensatissimum C. Müll.
Dist.: SA9.
Ref.: Yano 1989.

Brachythecium conostomum (Tayl.) Jaeg. & Sauerb.
Syn.: *Brachythecium laxireticulatum* Card.
Dist.: NA5, CA, SA0, SA6.
Alt.: 2000–3353 m.
Ref.: Steere 1948, Churchill 1989.

Brachythecium costaricense Ren. & Card.
Dist.: CA6.
Ref.: Bowers 1974.

Brachythecium crinitirameum C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Brachythecium eupopuleum (C. Müll.) Kindb.
Dist.: SA2, SA7.
Ref.: Menzel 1992, Pursell 1973.

Brachythecium fendleri (Sull.) Jaeg. & Sauerb.
Dist.: NA4a, NA5.
Alt.: 2900 m.
Ref.: Lawton 1965b.

Brachythecium fissidentoides Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Brachythecium flaccum C. Müll.
Dist.: CA, SA7, SA8.
Alt.: 1550–3000 m.
Ref.: Menzel 1992, Hermann 1976.

Brachythecium fossarum C. Müll.
Dist.: SA9.
Ref.: Yano 1989.

Brachythecium frigidum (C. Müll.) Besch.
Dist.: NA2, NA3, NA4a, NA5.
Alt.: 2000–4100 m.
Ref.: Crum 1951, Robinson 1963.

Brachythecium grandirete C. Müll.
Dist.: southern SA, SA8.
Ref.: Hermann 1976.

Brachythecium herzogii Broth.
Dist.: SA6, SA8.
Alt.: 4200 m.
Ref.: Robinson, Holm-Nielsen & Lojtnant 1977.

Brachythecium hirtipes (C. Müll.) Schimp. in Par.
Dist.: SA8.
Ref.: Hermann 1976.

Brachythecium immersum Thér.
Dist.: SA6.
Alt.: 4000 m.
Ref.: Steere 1948.

Brachythecium laevifolium (Mitt.) Jaeg.
Dist.: SA0.
Ref.: Churchill 1989.

Brachythecium lescuraeoides Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Brachythecium longisetum Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Brachythecium meridense (C. Müll.) Jaeg.
Dist.: SA2.
Ref.: Pursell 1973.

Brachythecium microthamnioides C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Brachythecium mollirameum C. Müll.
Dist.: southern SA, SA8.
Ref.: Hermann 1976.

Brachythecium occidentale (Hampe) Jaeg. & Sauerb.
Syn.: *Brachythecium corbieri* Card.
Dist.: NA5, CA1, CA6, SA0, SA6, SA7, SA8.
Alt.: 500–4050 m.
Ref.: Bowers 1974, Churchill 1989, Hegewald & Hegewald 1985, Robinson 1964, Sharp, Crum & Eckel 1994.

Brachythecium oxycladum (Brid.) Jaeg. & Sauerb.
Dist.: NA, NA5, SA6, Europe.
Alt.: 1219–3353 m.
Ref.: Steere 1948.

Brachythecium peruvianum Broth.
Dist.: SA7.
Alt.: 2000–2500 m.
Ref.: Menzel 1992.

Brachythecium plicifolium C. Müll.
Dist.: SA9.
Ref.: Yano 1989.

Brachythecium plumosum (Hedw.) B.S.G.
Dist.: NA, NA5, CA1, CA3, CA6, SA0, SA2, SA8, WIa4, Africa, Asia, Europe, New Zealand.
Alt.: 1820–3900 m.
Ref.: Buck & Steere 1983, Kis 1985.

Brachythecium poadelphus C. Müll.
Dist.: SA9.
Ref.: Yano 1989.

Brachythecium polyoicum (Thér.) McFarland
Syn.: *Brachythecium salebrosum* (Web. & Mohr) B.S.G. var. *polyoicum* Thér.
Dist.: NA5.
Alt.: 2100–2400 m.
Ref.: Crum 1951, McFarland 1992b, Sharp, Crum & Eckel 1994.

Brachythecium praelongum Schimp. ex C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.

Brachythecium productifolium C. Müll.
Dist.: SA9.
Ref.: Yano 1989.

Brachythecium pseudopiliferum (Hampe) Thér.
Dist.: SA0, SA6.
Alt.: 3000 m.
Ref.: Steere 1948.

Brachythecium pseudorutabulum (Hampe) Jaeg.
Dist.: SA0, SA7.
Alt.: 2134–4300 m.
Ref.: Hegewald & Hegewald 1985.

Brachythecium pseudosulphureum C. Müll.
Dist.: SA9.
Ref.: Yano 1989.

Brachythecium rutabulum (Hedw.) B.S.G.
Dist.: NA3, NA4, CA1, SA0, SA8, Africa, Asia, Australia, Europe, New Zealand, Oceania.
Alt.: 2438–2743 m.
Ref.: Bartram 1949, Steere 1948.

Brachythecium salebrosum (Web. & Mohr) B.S.G.
Dist.: NA, NA5, Africa, Asia, Europe, Japan, Tasmania.
Alt.: 2000–3900 m.
Ref.: Kis 1985.

Brachythecium sericeovirens (C. Müll.) Kindb.
Dist.: SA7, SA12.
Alt.: 2700–2900 m.
Ref.: Menzel 1992.

Brachythecium stereopoma (Spruce ex Mitt.) Jaeg. & Sauerb.
Syn.: *Brachythecium alboflavens* Card.
Dist.: NA4, NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, Is G.
Alt.: 600–4650 m.
Ref.: Gradstein & Weber 1982, Bizot 1973.

Brachythecium subjulaceum Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Brachythecium sulphureum (Geh. & Hampe) Par.
Dist.: SA7, SA8, SA9.
Alt.: 3700 m.
Ref.: Hegewald & Hegewald 1985.

Brachythecium zanonii Buck
Dist.: WIa3, WIa4.
Alt.: 1300–1900 m.
Ref.: Buck 1988a.

Braunia cirrhifolia (Mitt.) Wils. ex Jaeg.
Dist.: SA6, SA7, SA8, SA11.
Alt.: 2700–4300 m.
Ref.: Hegewald & Hegewald 1985.

Braunia divaricatula Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Braunia exserta C. Müll.
Dist.: SA7.
Alt.: 2400–3000 m.
Ref.: Hegewald & Hegewald 1985.

Braunia laxifolia Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Braunia nephelogenes De Luna & Buck
Dist.: SA6, SA7, SA8.
Alt.: 3600 m.
Ref.: De Luna & Buck 1991.

Braunia plicata (Mitt.) Jaeg.
Dist.: CA, SA6, SA8, SA9.
Ref.: Steere 1948, Hermann 1976.

Braunia secunda (Hook.) B.S.G.
Dist.: NA4, NA5, CA1, CA6, SA6, SA7, SA8, WIa4, Africa, India.
Alt.: 1585–4150 m.
Ref.: Allen 1988, Kis 1985, Buck 1990b.

Braunia squarrulosa (Hampe) C. Müll.
Dist.: NA5, CA1.
Alt.: 1676–3200 m.
Ref.: Crum 1951.

Braunia subincana Broth.
Dist.: SA9.
Ref.: Yano 1989.

Braunia subplicata Britt.
Dist.: SA8.
Ref.: Hermann 1976.

Breutelia aciphylla (Wils.) Jaeg.
Dist.: SA6.
Ref.: Griffin 1988, Steere 1948.

Breutelia allionii Broth.
Dist.: SA6, SA7.
Alt.: 2100–3650 m.
Ref.: Steere 1948.

Breutelia anacolioides Herz.
Dist.: SA8.
Ref.: Griffin 1984b, Hermann 1976.

Breutelia anomala Williams
Dist.: SA7.
Alt.: 3650 m.
Ref.: Menzel 1992.

Breutelia austroarcuata (C. Müll.) Par.
Dist.: NA5, CA1, CA6, SA0, SA7, SA8, SA12.
Ref.: Griffin 1988, Menzel 1992.

Breutelia brevifolia Herz.
Dist.: SA0, SA7, SA8.
Alt.: 2200–3900 m.
Ref.: Griffin & Hegewald 1986.

Breutelia breviseta Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Breutelia brittoniae Ren. & Card.
Dist.: NA5, CA1, CA3, CA6, SA0, SA8, WIa3, WIa4.
Alt.: 2160 m.
Ref.: Griffin 1988, Buck & Steere 1983.

Breutelia chrysea (C. Müll.) Jaeg. & Sauerb.
Dist.: NA5, CA6, SA0, SA2, SA7, WIa4.
Alt.: 3800 m.
Ref.: Griffin 1975a, 1984a, Menzel 1992.

Breutelia dusenii Broth.
Dist.: SA9.
Ref.: Yano 1989.

Breutelia falcatula Broth. & Irmsch.
Dist.: SA0.
Ref.: Churchill 1989.

Breutelia frondii Hampe
Dist.: SA9.
Ref.: Yano 1989.

Breutelia grandis (Hampe) Kindb.
Syn.: *Breutelia elegans* Wright
Dist.: SA9.
Ref.: Griffin 1984b, Yano 1981.

Breutelia harpophylla Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Breutelia hasskarliana (Hampe) Jaeg.
Dist.: SA7, SA8.
Alt.: 4000 m.
Ref.: Griffin 1984b, Menzel 1992.

Breutelia incana (Tayl.) Jaeg.
Dist.: SA6.
Alt.: 3048 m.
Ref.: Steere 1948, Griffin 1984b.

Breutelia inclinata (Hampe & Lor.) Jaeg.
Syn.: *Breutelia deflexifolia* Card.
Dist.: NA5, CA1, CA3, CA6, SA0, SA2, SA6, SA7, SA8, WIa4.
Alt.: 1760–4320 m.
Ref.: Griffin 1988, Buck & Steere 1983.

Breutelia integrifolia (Tayl.) Jaeg.
Syn.: *Breutelia auricolor* (Dus. in Par.) Herz.
Dist.: SA0, SA6, SA7, SA8, SA10, SA12, Africa, Tristan da Cunha.
Alt.: 0–4500 m.
Ref.: Matteri 1973a, Steere 1948.

Breutelia jamaicensis (Mitt.) Jaeg.
Dist.: NA5, CA1, CA3, CA6, CA7, WIa1, WIa3, WIa4.
Alt.: 1140–2600 m.
Ref.: Buck & Steere 1983, Crosby 1969b.

Breutelia karsteniana (C. Müll.) Jaeg.
Dist.: SA0, SA6, SA7.
Alt.: 3400–4200 m.
Ref.: Steere 1948, Menzel 1992.

Breutelia macrocarpa Schimp. ex Par.
Dist.: SA8.
Ref.: Hermann 1976.

Breutelia maegdefraui Crum
Dist.: SA0.
Ref.: Crum 1987a, Churchill 1989.

Breutelia microdonta (Mitt.) Broth.
Syn.: *Bartramia microdonta* Mitt.
Dist.: SA2, SA9, WIb, Africa, Philippines.
Ref.: Yano 1989, Griffin 1984b, 1992.

Breutelia minuta Herz.
Dist.: SA8.
Ref.: Griffin 1984b, Hermann 1976.

Breutelia nigrescens Herz.
Dist.: SA7, SA8.
Alt.: 4500 m.
Ref.: Griffin & Hegewald 1986.

Breutelia polygastrica (C. Müll.) Broth.
Dist.: CA6, SA0, SA2, SA6, SA7, SA8, SA12.
Alt.: 1800–4300 m.
Ref.: Griffin & Hegewald 1986.

Breutelia reclinata Broth.
Dist.: SA6, SA8.
Alt.: 3000 m.
Ref.: Griffin 1988, Steere 1948.

Breutelia rhythidioides Herz.
Dist.: CA6, SA0, SA2, SA7.
Ref.: Griffin 1984c, Menzel 1992.

Breutelia scariosula (C. Müll.) Broth.
Dist.: SA6.
Alt.: 3000–3900 m.
Ref.: Steere 1948.

Breutelia scoparia (Schwaegr.) Jaeg.
Dist.: SA2, SA9, WIa1, WIa4, WIa5.
Ref.: Buck & Steere 1983, Duarte n.d.

Breutelia scorpioides (C. Müll. ex Britt.) Broth.
Dist.: SA8.
Ref.: Griffin 1984b, Hermann 1976.

Breutelia secundifolia (C. Müll.) Par.
Dist.: SA7, SA8.
Alt.: 3200–4050 m.
Ref.: Griffin & Hegewald 1986.

Breutelia squarrosa Jaeg.
Syn: *Breutelia brachyphylla* Broth.
Dist.: CA6, SA0, SA6, SA7.
Alt.: 2600–3400 m.
Ref.: Griffin 1984c, 1992, Menzel 1992.

Breutelia subarcuata (C. Müll.) Schimp. ex Besch.
Dist.: NA5, CA1, CA6, SA0, SA2, SA6, SA7, WIa4.
Alt.: 1900–3400 m.
Ref.: Griffin 1984a, Buck & Steere 1983.

Breutelia subdistica (Hampe) Jaeg.
Syn.: *Bartramia rivalis* C. Müll.
Dist.: SA0, SA2, SA7, SA8, SA9.
Alt.: 1100–3150 m.
Ref.: Yano 1989, Griffin 1984b.

Breutelia subtomentosa (Hampe) Jaeg.
Syn.: *Bartramia ulei* C. Müll.
Dist.: SA9.
Alt.: 50–2400 m.
Ref.: Yano 1989, Griffin 1984b.

Breutelia tomentosa (Brid.) Jaeg. & Sauerb.
Dist.: NA5, CA1, CA3, CA6, SA0, SA2, SA3, SA6, SA7, WIa1, WIa2, WIa3, WIa4, WIa5, Is G, Africa.
Alt.: 1100–4400 m.
Ref.: Griffin & Hegewald 1986, Bizot 1973.

Breutelia trianae (Hampe) Jaeg.
Dist.: SA0.
Ref.: Churchill 1989.

Breutelia wainioi Broth.
Syn.: *Breutelia declivium* (C. Müll.) Par.
Dist.: SA8, SA9.
Ref.: Yano 1989, Griffin 1984b

Brothera leana (Sull.) C. Müll.
Syn.: *Campylopus leanus* (Sull.) Sull. & Lesq.
Dist.: NA4b, NA5, CA1, Japan, Korea, Siberia, Sikkim, Taiwan
Alt.: 200–2500 m.
Ref.: Takaki 1968, Müller & Frahm 1987.

Bruchia aurea Besch.
Syn.: *Bruchia uleana* C. Müll. ex Roth
Dist.: SA9, SA11.
Ref.: Rushing 1986, Buck 1985a.

Bruchia lindigiana (Hampe) Broth.
Dist.: SA0.
Ref.: Rushing 1986.
Bruchia paricutinensis Delg. & Cárde.
Dist.: NA5.
Alt.: 2290 m.
Ref.: Delgadillo & Cárdenas 1991.
Bruchia queenslandica Stone
Dist.: NA5, Africa, Australia.
Ref.: Rushing 1986.
Bruchia subenervis (Hampe) Broth.
Dist.: SA0.
Ref.: Rushing 1986.
Bruchia uruguensis C. Müll.
Syn.: *Bruchia czermakii* Broth. in Roth
Dist.: SA9, SA11, SA12, SA13.
Ref.: Rushing 1986, Yano 1989.
Bryhnia pflanzii Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Brymela acuminata (Mitt.) Buck
Syn.: *Hookeriopsis acuminata* (Mitt.) Jaeg.
Dist.: SA0, SA6.
Alt.: 320–1000 m.
Ref.: Buck 1987a, Steere 1948.
Brymela callicostelloides (Herz. & Thér.) Buck
Syn.: *Hookeriopsis welchiana* Crum
Dist.: NA5, CA7.
Ref.: Buck 1987a, Crum 1986, Sharp, Crum & Eckel 1994, Welch & Crum 1963.
Brymela cuspidata (Jaeg.) Buck
Syn.: *Hookeriopsis cuspidata* Jaeg.
Dist.: CA3, CA6, SA6.
Alt.: 914–2350 m.
Ref.: Buck 1987a, Steere 1948.
Brymela fissidentoides (Hook. f. & Wils.) Buck
Syn.: *Hookeriopsis fissidentoides* Hook. f. & Wils.
Dist.: WIa1, WIa2, WIa3, WIa5.
Ref.: Buck 1987a, Welch 1976.
Brymela fluminensis (Hampe) Buck
Syn.: *Hookeriopsis fluminensis* (Geh. & Hampe) Broth.
Dist.: SA9.
Ref.: Buck 1987a, Yano 1989.
Brymela obtusifolia (Bartr.) Buck
Syn.: *Hookeriopsis obtusifolia* Bartr.
Dist.: CA6.
Ref.: Buck 1987a, Welch 1976.
Brymela parkeriana (Hook. & Grev.) Buck
Syn.: *Hookeriopsis parkeriana* (Hook. & Grev.) Jaeg.
Dist.: SA0, SA2, SA3, SA4, SA5, SA9, WIb.
Alt.: 500–750 m.
Ref.: Buck 1987a, Welch 1976.
Brymela rugulosa (Mitt.) Buck
Dist.: SA6.
Ref.: Buck 1987a.
Brymela tutezona Crosby & Allen
Dist.: CA7.
Alt.: 1533–1570 m.
Ref.: Crosby & Allen 1985.
Brymela websteri (Crum & Bartr.) Buck
Syn.: *Hookeriopsis websteri* Crum & Bartr.
Dist.: CA7, WIa2.
Alt.: 900 m.
Ref.: Buck 1987a, Welch 1976, Allen 1987b.
Bryoceuthospora mexicana (Bartr.) Crum & Anderson
Syn.: *Ephemerum mexicanum* Bartr.
Dist.: NA5.
Ref.: Crum & Anderson 1958.
Bryoerythrophyllum andersonianum Zand. & Sharp
Dist.: NA5.
Ref.: Zander & Sharp 1981.
Bryoerythrophyllum angustulum (Herz.) Robins.
Syn.: *Didymodon angustulus* Herz.
Dist.: SA0, SA8.
Ref.: Robinson 1967a.
Bryoerythrophyllum bolivianum (C. Müll.) Zand.
Syn.: *Barbula boliviana* (C. Müll.) Hilp.
Dist.: NA5, SA7, SA8.
Alt.: 2500–4200 m.
Ref.: Zander 1978a, Menzel 1992.
Bryoerythrophyllum calcareum (Thér.) Zand.
Syn.: *Barbula calcarea* Thér.
Dist.: NA5, CA1.
Alt.: 2600–2800 m.
Ref.: Zander 1981a.
Bryoerythrophyllum campylocarpum (C. Müll.) Crum
Syn.: *Bryoerythrophyllum arcuatum* (Mitt.) Crum
Dist.: NA5, CA6, SA0, SA7, SA8, WI, J Fdez, Africa, Europe, Himalayas.
Alt.: 2100–4100 m.
Ref.: Zander 1986b, Robinson 1975.

Bryoerythrophyllum columbianum (Herm. & Lawt.) Zand. var. *atacamense* Zand. & Lewis
Dist.: SA7, SA8.
Alt.: 2690 m.
Ref.: Hegewald & Hegewald 1985.

Bryoerythrophyllum ferruginascens (Stirt.) Giac.
Syn.: *Leptodontium arsenei* Thér.
Dist.: NA1, NA3, NA4a, NA4b, NA5, CA1, Asia, Japan.
Alt.: 3960 m.
Ref.: Zander 1978a, Eckel 1990.

Bryoerythrophyllum inaequalifolium (Tayl.) Zand.
Syn.: *Barbula inaequalifolia* Tayl.
Dist.: NA4b, NA5, CA7, SA0, SA6, Wla4, Canary Islands, China, India, Java.
Alt.: 2743–3353 m.
Ref.: Zander 1981a, Buck & Steere 1983.

Bryoerythrophyllum jamesonii (Tayl.) Crum
Dist.: NA3, NA5, CA1, CA6, SA0, SA2, SA6, SA7, SA8, Wla2, Wla3, Wla4, J Fdez, Africa, Asia, Europe, New Zealand.
Alt.: 2100–4300 m.
Ref.: Zander 1978a, Buck & Steere 1983.

Bryoerythrophyllum recurvirostrum (Hedw.) Chen var. *aeneum* (C. Müll.) Zand.
Syn.: *Didymodon stenopyxis* Card.
Dist.: NA5, CA1, SA7.
Alt.: 2750–3300 m.
Ref.: Zander 1976, 1978a, Menzel 1992.

Bryoerythrophyllum recurvirostrum (Hedw.) Chen var. *recurvirostrum*
Dist.: NA1, NA4a, NA5, CA1, CA6, SA2, Wla4, Wla5, Africa, Asia, Australia, Europe, Hawaii.
Alt.: 2900 m.
Ref.: Zander 1978a, Buck & Steere 1983.

Bryoerythrophyllum recurvum (Griff.) Saito
Dist.: NA4b, NA5, Africa, Himalayas, India, Japan, Nepal, New Guinea.
Alt.: 600–2800 m.
Ref.: Zander 1978a, Sollman 1991.

Bryoerythrophyllum sharpii Zand.
Dist.: NA5.
Ref.: Zander 1986b.

Bryohaplocladium angustifolium (Hampe & C. Müll.) Watan. & Iwats.
Dist.: NA5, Wla2, Africa, Asia, Europe, Himalayas.
Alt.: 1494–2591 m.
Ref.: Kis 1985.

Bryohaplocladium microphyllum (Hedw.) Watan. & Iwats.
Syn.: *Haplocladium microphyllum* (Hedw.) Broth.
Dist.: NA3, NA4, NA5, CA1, SA0, SA2, SA7, SA8, SA9, SA11, Wla1, Wla3, Wla4, Wla5, Asia, Japan, Sweden.
Alt.: 400–3109 m.
Ref.: Buck & Steere 1983, Bizot 1973.

Bryohaplocladium porphyropelma (C. Müll.) Watan. & Iwats.
Syn.: *Haplocladium porphyropelma* C. Müll.
Dist.: SA9.
Ref.: Watanabe & Iwatsuki 1981, Yano 1981.

Bryohaplocladium praelongum (Schimp. ex Besch.) Crum
Syn.: *Rauiella praelonga* (Schimp. ex Besch.) Wijk & Marg.
Dist.: NA4a, NA5, CA4, SA0, SA7, SA8, SA12, Wla1, Wla3, Africa.
Alt.: 1189–2164 m.
Ref.: Crum 1969, Churchill 1989.

Bryohumbertia filifolia (Hornsch.) Frahm var. *filifolia*
Syn.: *Campylopus porphyreodictyon* (C. Müll.) Mitt.
Dist.: NA5, CA1, CA3, CA4, CA6, CA7, SA0, SA2, SA3, SA4, SA6, SA7, SA8, SA9, Wla1, Wla2, Wla3, Wla4, Wla5, Wlb.
Alt.: 100–2500 m.
Ref.: Frahm 1987, Florschütz-de Waard 1990.

Bryohumbertia filifolia (Hornsch.) Frahm var. *humilis* (Mont.) Frahm
Syn.: *Campylopus humilis* Mont.
Dist.: NA5, SA9, Wla3.
Ref.: Frahm 1987, 1991.

Bryohumbertia filifolia (Hornsch.) Frahm var. *longifolia* (Bartr.) Frahm
Syn.: *Campylopus filifolius* (Hornsch.) Mitt. var. *longifolius* (Bartr.) Bartr.
Dist.: CA6, CA7.
Ref.: Frahm 1991.

Bryomanginia saint-pierrei Thér.
Syn.: *Melophyllum radiculosum* Herz.
Dist.: NA5, CA1, SA7.
Alt.: 3658–4600 m.
Ref.: Buck & Zander 1980, Hegewald 1974.

Bryonorrisia acutifolia (Mitt.) Enroth
Syn.: *Anomodon acutifolius* Mitt.
Dist.: NA5, China, India, Japan, Nepal, Taiwan.
Alt.: 2347 m.
Ref.: Watanabe 1972, Enroth 1991.

Bryoxiphium norvegicum (Brid.) Mitt. var. *mexicanum* (Besch.) Sharp
Dist.: NA5.
Alt.: 975–4145 m.
Ref.: Löve & Löve 1953.

Bryoxiphium norvegicum (Brid.) Mitt. var. *norvegicum*
Dist.: NA1, NA4a, NA4b, WIa4, Europe.
Ref.: Crum & Anderson 1981, Buck 1990c.

Bryum alboimbricatum Ochi
Syn.: *Bryum albidum* Broth. in Herz.
Dist.: SA8.
Alt.: 2200 m.
Ref.: Ochi 1980, Hermann 1976.

Bryum algovicum Sendtn. ex C. Müll.
Dist.: SA2, SA6, SA7, SA8, SA10, SA12, SA14, Africa, Australia, South Georgia.
Alt.: 200–4400 m.
Ref.: Hegewald & Hegewald 1985, Ochi 1980.

Bryum alpinum Huds. ex With.
Dist.: NA, NA5, SA7, SA12, Africa, Asia, Australia, Europe.
Alt.: 2000–4000 m.
Ref.: Ochi 1972, 1980, Kis 1985.

Bryum apiculatum Schwaegr.
Syn.: *Bryum cruegeri* Hampe
Dist.: NA4b, NA5, CA1, CA3, CA4, CA6, SA0, SA2, SA4, SA6, SA7, SA8, SA9, SA12, WIa1, WIa3, WIa4, WIa5, WIb, Is G, Africa; pantropical.
Alt.: 100–2800 m.
Ref.: Ochi 1978, 1980, 1982, Reese 1979a.

Bryum arachnoideum C. Müll.
Syn.: *Bryum impressotruncatum* Herz.
Dist.: SA9, Africa.
Ref.: Ochi 1980, Yano 1989, Kis 1985.

Bryum argenteum Hedw.
Dist.: NA5, CA1, CA3, CA4, CA6, CA7, SA0, SA2, SA3, SA4, SA6, SA7, SA8, SA9, SA10, SA11, SA12, WIa1, WIa3, WIa4, WIa5, Is G, J Fdez, Africa, Europe; cosmopolitan.
Alt.: 20–5100 m.
Ref.: Ochi 1972, 1978, 1990, Robinson 1975.

Bryum atenense Williams
Dist.: SA8, SA9.
Alt.: 1400–3600 m.
Ref.: Ochi 1980, Yano 1989, Hermann 1976.

Bryum atrovirens Vill. ex Brid.
Dist.: NA, SA6, SA9, Africa, Asia, Europe.
Alt.: 1219 m.
Ref.: Steere 1948.

Bryum badium (Brid.) Schimp.
Dist.: SA9, Africa, Asia, Europe.
Ref.: Yano 1981.

Bryum bediloma C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.

Bryum billardieri Schwaegr.
Syn.: *Bryum andicola* Hook. in Kunth
Dist.: NA4a, NA5, CA1, CA2, CA3, CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, SA10, SA12, SA14, WIa1, WIa2, WIa3, WIa4, Is G, Africa, Asia, Australia, Japan, New Zealand.
Alt.: 60–4575 m.
Ref.: Ochi 1972, 1980, Buck & Steere 1983.

Bryum brasiliense Hampe
Dist.: SA9.
Ref.: Yano 1989.

Bryum brevicoma Hampe
Dist.: SA9.
Ref.: Yano 1989.

Bryum caespiticium Hedw.
Dist.: NA5, CA6, SA6, SA7, SA8, SA9, SA12, Africa; subcosmopolitan.
Alt.: 1200–3353 m.
Ref.: Ochi 1972, 1980, 1982, Kis 1985.

Bryum campylothecium Tayl.
Dist.: SA7, SA10, Australia, New Zealand.
Alt.: 570–3700 m.
Ref.: Ochi 1982, Menzel 1992.

Bryum canariense Brid.
Dist.: NA3, NA4a, NA5, SA0, SA8, SA9, SA10, SA12, Africa, Europe.
Alt.: 280–1400 m.
Ref.: Ochi 1972, 1980, 1982, Kis 1985.

Bryum capillare Hedw.
Syn.: *Bryum abbreviatum* Hampe
Dist.: NA5, CA1, CA3, CA6, SA0, SA2, SA4, SA5, SA6, SA7, SA8, SA9, SA10, SA12, SA13, SA14, Bahamas, WIa3, WIa4, WIa5, WIb, Africa, Europe; cosmopolitan.
Alt.: 50–4350 m.
Ref.: Ochi 1972, 1980, 1990, Kis 1985.

Bryum cellulare Hook. ex Schwaegr.
Syn.: *Bryum acanthoneuron* Ångstr.
Dist.: NA5, CA, SA7, SA9, Africa, Asia, Australia, Japan, Réunion.
Alt.: 2000–3000 m.
Ref.: Ochi 1972, 1974, 1980, Yano 1989.

Bryum challaense Broth. in Herz.
Dist.: SA8.
Alt.: 3600–4000 m.
Ref.: Ochi 1980, Hermann 1976.

Bryum chryseum Mitt.
Syn.: *Bryum guatemalense* Hampe ex C. Müll.
Dist.: NA5, CA1, CA6, CA7, SA7, SA8, SA10.
Alt.: 400–3900 m.
Ref.: Ochi 1980, 1982, 1990, Menzel 1992.

Bryum clavatum (Schimp.) C. Müll.
Dist.: SA6, SA7, SA8, SA9, SA10, SA12, SA13, J Fdez, Asia, Australia, New Zealand, South Georgia, Tristan da Cunha.
Alt.: 20–3900 m.
Ref.: Ochi 1980, 1982, 1990, Yano 1989.

Bryum conoideo-operculatum Warnst.
Dist.: SA9.
Ref.: Yano 1981.

Bryum coronatum Schwaegr.
Dist.: NA5, CA1, CA2, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, SA10, SA12, Bahamas, WIa1, WIa2, WIa3, WIa4, WIa5, Is G, Africa; pantropical.
Alt.: 350–1400 m.
Ref.: Ochi 1972, 1980, 1982, Kis 1985.

Bryum crassinervum (Herz.) Shaw
Syn.: *Haplodontium crassinervum* Herz.
Dist.: SA8.
Alt.: 4400 m.
Ref.: Shaw 1987.

Bryum creberrimum Tayl.
Syn.: *Bryum cuspidatum* (B.S.G.) Schimp.
Dist.: NA, CA, SA9, Asia, Australia, Europe.
Ref.: Yano 1989.

Bryum crispifolium C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Bryum densifolium Brid.
Syn.: *Bryum aberrans* Hampe
Dist.: NA5, CA1, SA0, SA2, SA6, SA7, SA8, SA9, SA11, SA12, SA13, WIa3, Australia.
Alt.: 100–4100 m.
Ref.: Ochi 1980, 1990, Buck & Steere 1983.

Bryum dentatum Ochi
Dist.: NA5.
Alt.: 1100–1200 m.
Ref.: Ochi 1977, 1981a.

Bryum dichotomum Hedw.
Syn.: *Bryum bicolor* Dicks.
Dist.: NA4a, NA5, SA0, SA6, SA9, SA10, SA12, SA13, Africa, Europe, Japan, New Zealand; cosmopolitan.
Alt.: 50–4100 m.
Ref.: Ochi 1980, 1981, 1990, Kis 1985.

Bryum dimorphum (C. Müll.) Broth.
Dist.: SA2, SA9.
Ref.: Ochi 1981a, Yano 1981.

Bryum duplicatum Broth.
Dist.: SA9.
Ref.: Ochi 1980.

Bryum ellipsifolium C. Müll.
Dist.: SA0, SA2, SA7, SA8, SA12, Africa.
Alt.: 3000–4800 m
Ref.: Ochi 1972, 1980, 1982, Kis 1985

Bryum erythroloma (Kindb.) Syed
Dist.: NA3, NA4a, NA5.
Alt.: 2150–2200 m.
Ref.: Ochi 1980.

Bryum gilliesii Hook.
Syn.: *Bryum orthodontioides* C. Müll.
Dist.: SA9, SA12.
Ref.: Ochi 1982.

Bryum gracilisetum Hornsch.
Dist.: SA9.
Ref.: Ochi 1981a.

Bryum hioramii Thér.
Dist.: WIa1
Ref.: Duarte n.d.

Bryum horizontale (Hampe) Hampe
Syn.: *Bryum acuminatissimum* (C. Müll.) Broth.
Dist.: SA9.
Ref.: Ochi 1981a.

Bryum illecebraria C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Bryum incacorralis Herz.
Dist.: SA2, SA8.
Alt.: 3000–3500 m.
Ref.: Ochi 1980, Hermann 1976.

Bryum incrassatolimbatum Card.
Dist.: NA4, NA5, CA7.
Alt.: 900 m.
Ref.: Ochi 1980, Ochi & Salazar A. 1990.

Bryum innovans Crum in Mäg.
Dist.: SA0.
Ref.: Churchill 1989.

Bryum insolitum Card.
Dist.: NA5, CA6, SA8.
Alt.: 2170–3900 m.
Ref.: Ochi 1980, Bowers 1974.

Bryum laevigatum Hook. f. & Wils.
Syn.: *Bryum atroviride* Herz.
Dist.: SA0, SA8, SA9, SA10, SA12, SA13, SA14, Australia, New Zealand.
Alt.: 50–4335 m.
Ref.: Ochi 1972, 1980, 1982, 1990.

Bryum leonii Thér.
Dist.: WIa1.
Ref.: Duarte n.d.

Bryum leptochaeton Hampe
Dist.: SA0.
Ref.: Churchill 1989.

Bryum leptocladon Sull.
Syn.: *Anomobryum fabroniopsis* (C. Müll.) Broth.
Dist.: SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb.
Alt.: 150–324 m.
Ref.: Ochi 1980, Ochi & Mahu 1988.

Bryum leptopelma C. Müll.
Dist.: SA2, Australia.
Ref.: Pursell 1973.

Bryum leptotorquescens C. Müll. ex Broth.
Syn.: *Bryum biforme* Williams
Dist.: NA5, CA6, SA0, SA7, Africa.
Alt.: 1900–4070 m.
Ref.: Ochi 1972, 1977, 1980, Kis 1985.

Bryum limbatum C. Müll.
Syn.: *Bryum riograndense* Bartr.
Dist.: NA5, CA1, CA3, CA6, SA0, SA2, SA6, SA7, SA8, SA9, WIa1, WIa3, WIa4, WIa5, WIb, Is G.
Alt.: 100–3000 m.
Ref.: Ochi 1980, 1990, Churchill 1991a.

Bryum maceratum C. Müll.
Dist.: SA7, SA12.
Alt.: 3900–4700 m.
Ref.: Ochi 1990.

Bryum mattogrossense Broth.
Dist.: SA9.
Ref.: Ochi 1980.

Bryum microchaeton Hampe
Dist.: NA2, NA3, NA4b, NA5, SA0, SA7, SA8, SA12, Tahiti.
Alt.: 880–4200 m.
Ref.: Ochi 1978, 1980, 1990.

Bryum micronitidum Ochi
Dist.: SA7, SA8.
Alt.: 2700–4000 m.
Ref.: Ochi 1980, 1990, Menzel 1992.

Bryum miniatum Lesq.
Dist.: NA3, NA4a, NA5.
Ref.: Bowers, Delgadillo & Sharp 1976.

Bryum muehlenbeckii B.S.G
Dist.: NA, NA5, SA7, SA10, Africa, Asia, Australia, Europe.
Alt.: 600–3300 m.
Ref.: Ochi 1972, 1980, 1982.

Bryum multiflorum C. Müll.
Dist.: western SA, SA9.
Ref.: Ochi 1981a.

Bryum nanophyllum C. Müll.
Dist.: SA8.
Ref.: Ochi 1981a, Hermann 1976.

Bryum nitens Hook.
Dist.: SA9, Africa, Asia.
Ref.: Yano 1989.

Bryum nivale C. Müll.
Dist.: SA7, SA10.
Ref.: Ochi 1982, Menzel 1992.

Bryum oncophorum Hampe
Dist.: SA9.
Ref.: Ochi 1981a.

Bryum osculatianum De Not.
Dist.: SA6.
Ref.: Steere 1948.

Bryum pabstianum C. Müll.
Syn.: *Bryum polygamum* Hampe
Dist.: SA7, SA8, SA9, SA14.
Alt.: 500–3000 m.
Ref.: Ochi 1980, 1982, Menzel 1992.

Bryum pallescens Schleich. ex Schwaegr.
Dist.: NA1, NA3, NA4a, NA4b, NA5, SA0, SA2, SA6, SA7, SA8, SA12, SA14, Asia, Europe, Japan, New Zealand.
Alt.: 3040–4350 m.
Ref.: Crum & Anderson 1981, Ochi 1980, 1982, Steere 1948.

Bryum paradoxum Schwaegr.
Dist.: SA0, SA7, SA8, SA9, SA10, SA12, Africa, Asia, Japan, Madagascar.
Alt.: 150–4400 m.
Ref.: Ochi 1980, 1982, Yano 1989.

Bryum paraguense Besch.
Dist.: SA11.
Ref.: Buck 1985a.

Bryum perconcavifolium Ochi
Dist.: NA5, CA1.
Alt.: 2700–3700 m.
Ref.: Ochi 1977, 1980.

Bryum perlimbatum Card.
Dist.: SA0, SA10, SA12, SA14, Africa, New Zealand.
Ref.: Ochi 1972, 1982, Churchill 1989.

Bryum petelotii Thér. & Henry
Dist.: NA5, CA6, Japan, Taiwan, Vietnam.
Alt.: 1100–1500 m.
Ref.: Ochi 1980.

Bryum procerum Schimp. ex Besch.
Dist.: NA5, CA1, CA3, CA6, SA0, SA2, SA6, SA7, SA8.
Alt.: 940–3800 m.
Ref.: Ochi 1981a, 1990, Winkler 1965.

Bryum pseudocapillare Besch.
Syn.: *Bryum standleyi* Bartr.
Dist.: NA4b, NA5, CA1, CA4, CA6, SA10, SA12, Bahamas, WIa1, WIa3, WIa4, WIa5, WIb, Hawaii.
Alt.: 350–2900 m.
Ref.: Ochi 1980, 1982, Buck & Steere 1983.

Bryum pseudomarginatum Geh. & Hampe
Dist.: SA9.
Ref.: Ochi 1980, Yano 1989.

Bryum pseudotriquetrum (Hedw.) Gaertn., Meyer & Scherb.
Syn.: *Bryum bimum* (Schreb.) Turn.
Dist.: NA5, CA1, SA0, SA2, SA6, SA7, SA8, SA9, SA10, SA12, SA14, Africa, Antarctica, Europe; Northern Hemisphere.
Alt.: 100–4500 m.
Ref.: Ochi 1972, 1980, 1990, Yano 1989.

Bryum radiculosum Brid.
Dist.: NA5, SA2, SA7, SA9, SA12, SA13, Africa; Northern Hemisphere, Southern Hemisphere.
Alt.: 900–3300 m.
Ref.: Ochi 1972, 1978, 1980, Yano 1989.

Bryum renauldii Röll ex Ren. & Card.
Dist.: NA5, CA4, CA6, WIa1.
Alt.: 750–1400 m.
Ref.: Ochi 1980, Arrocha 1992.

Bryum richardsii Sharp
Dist.: NA5, SA6, SA7, SA8.
Alt.: 2300–3400 m.
Ref.: Ochi 1980, Hegewald & Hegewald 1985.

Bryum riparioides Bartr.
Dist.: SA9.
Ref.: Ochi 1981a.

Bryum roseolum C. Müll.
Dist.: SA8, SA9, SA12.
Alt.: 1800–2826 m.
Ref.: Yano 1989, Ochi 1981a.

Bryum rubens Mitt.
Dist.: SA10, Europe, India, Japan, New Zealand.
Ref.: Ochi & Mahu 1988.

Bryum rufolimbatum Ren. & Card.
Dist.: CA6.
Ref.: Bowers 1974.

Bryum soboliferum Tayl.
Dist.: NA5, SA6, SA7, SA8.
Alt.: 2700 m.
Ref.: Ochi 1980, Steere 1948.

Bryum sordidum Hampe
Dist.: CA6, SA0, SA8.
Ref.: Bowers 1974, Churchill 1989.

Bryum spininervium Broth
Dist.: SA7, SA8.
Alt.: 1000–2050 m.
Ref.: Ochi 1980, Hegewald & Hegewald 1985.

Bryum subapiculatum Hampe
Syn.: *Bryum dentiferum* Hampe
Dist.: NA5, SA2, SA7, SA9, SA10, SA12, SA13, SA14, WIa1, Africa; Northern Hemisphere.
Alt.: 50–2450 m.
Ref.: Ochi 1980, 1982, 1990, Kis 1985.

Bryum subleucophyllum C. Müll.
Dist.: SA2.
Ref.: Ochi 1981a, Pursell 1973.

Bryum superpensum C. Müll.
Dist.: SA9.
Ref.: Yano 1989.

Bryum torquatum Mohamed
Dist.: SA9.
Ref.: Yano 1989.

Bryum turbinatum (Hedw.) Turn.
Dist.: SA6, SA9, SA10, SA12, Africa, Europe.
Alt.: 3048–3600 m.
Ref.: Ochi 1972, 1982, Steere 1948.

Bryum wagneri C. Müll.
Dist.: SA2.
Ref.: Ochi 1981a, Pursell 1973.

Callicostella acutifolia Thér.
Syn.: *Schizomitrium acutifolium* (Thér.) Churchill
Dist.: SA0.
Ref.: Churchill 1989.

Callicostella apophysata (Hampe) Jaeg.
Dist.: SA9.
Ref.: Yano 1989.

Callicostella aquatica Bartr. ex Willis
Syn.: *Schizomitrium aquaticum* (Bartr. ex Willis) Crum
Dist.: CA4, CA7.
Ref.: Welch 1976, Crum 1984c.

Callicostella aspera (Mitt.) Jaeg.
Dist.: SA2, SA6, SA9.
Alt.: 464–1000 m.
Ref.: Steere 1948, Pursell 1973.

Callicostella belangeriana (Besch.) Jaeg.
Syn.: *Schizomitrium hahnianum* (Besch.) Crum
Dist.: WIa2, WIa5, WIb.
Ref.: Buck 1987a, Crum 1984c, Welch 1976.

Callicostella bernoullii (Hampe in C. Müll.) Broth.
Syn.: *Cyclodictyon bernoullii* (Schimp.) Kuntze
Dist.: NA5, CA1, CA3, CA7.
Alt.: 110 m.
Ref.: Bowers 1985, Welch 1976.

Callicostella ciliata (Schimp. ex Besch.) Jaeg. & Sauerb.
Syn.: *Schizomitrium ciliatum* (Schimp. ex Besch.) Bowers
Dist.: NA5, CA4, CA6.
Ref.: Bowers 1985, Welch 1976.

Callicostella circinata (Broth.) Broth.
Syn.: *Schizomitrium circinatum* (Broth.) Buck
Dist.: SA11.
Ref.: Buck 1985a.

Callicostella colombica Williams
Syn.: *Schizomitrium colombicum* (Williams) Buck & Steere
Dist.: SA0, SA7, WIa3.
Alt.: 900 m.
Ref.: Welch 1976, Buck & Steere 1983.

Callicostella daltoniaecarpa (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1989.

Callicostella depressa (Hedw.)Jaeg.
Syn.: *Schizomitrium depressum* (Hedw.) Buck & Steere
Dist.: CA2, CA6, CA7, SA2, SA3, SA7, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb, Cocos Island.
Alt.: 100 m.
Ref.: Buck & Steere 1983, Crosby 1969b.

Callicostella galipanoana (C. Müll.) Broth.
Dist.: SA2.
Ref.: Pursell 1973.

Callicostella glabrata Broth.
Dist.: SA9.
Ref.: Yano 1989.

Callicostella grossiretis Bartr. in Willis
Syn.: *Schizomitrium grossiretis* (Bartr. in Willis) Florsch.-de Waard
Dist.: CA7, SA5.
Alt.: 600–700 m.
Ref.: Florschütz-de Waard 1986, 1990.

Callicostella guatemalensis (Bartr.) J. Florsch.-de Waard
Syn.: *Schizomitrium guatemalensis* (Bartr.) J. Florsch.-de Waard
Dist.: CA1, SA4.
Ref.: Florschütz-de Waard 1986, 1990.

Callicostella hondurensis Crum
Syn.: *Schizomitrium hondurense* (Crum) Crum
Dist.: CA4.
Ref.: Welch 1976, Crum 1984c.

Callicostella integrifolia (C. Müll.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Callicostella irrorata (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1989.

Callicostella jungermannioides Herz.
Dist.: SA9.
Ref.: Yano 1981.

Callicostella juruensis Broth.
Dist.: SA9.
Ref.: Yano 1989.

Callicostella leonii Thér.
Syn.: *Schizomitrium diatomophyllum* Allen & Crosby
Dist.: WIa1, WIa2, WIa3.
Alt.: 0–548 m.
Ref.: Allen & Crosby 1986a, Crosby 1970a.

Callicostella limosa (Broth.) Broth.
Dist.: SA9.
Ref.: Yano 1989.

Callicostella lorifolia (Hampe) Jaeg.
Dist.: SA9.
Ref.: Yano 1981.

Callicostella martiana (Hornsch.) Jaeg.
Syn.: *Schizomitrium martianum* (Hornsch.) Crosby
Dist.: SA9.
Ref.: Crosby 1975, Yano 1989.

Callicostella merkelii (Hornsch.) Jaeg.
Syn.: *Schizomitrium merkelii* (Hornsch.) Florsch.-de Waard
Dist.: CA1, SA4, SA5, SA9.
Ref.: Florschütz-de Waard 1986, 1990.

Callicostella mexicana Robins. & Welch
Syn.: *Schizomitrium mexicanum* (Robins. & Welch) Bowers
Dist.: NA5.
Ref.: Welch 1976, Bowers 1985.

Callicostella microcarpa Ångstr.
Syn.: *Schizomitrium microcarpum* (Ångstr.) Yano
Dist.: SA0, SA2, SA3, SA6, SA8, SA9, SA11, WIb, Is G.
Ref.: Yano 1989.

Callicostella monofaria (Geh. & Hampe) Broth
Dist.: SA9.
Ref.: Yano 1989.

Callicostella mosenii (Broth.) Broth.
Dist.: SA3, SA8, SA9, SA11, WIb.
Ref.: Yano 1981, Hermann 1976.

Callicostella oerstediana (C. Müll.) Jaeg.
Syn.: *Schizomitrium oerstedianum* (C. Müll.) Crum
Dist.: CA1, CA2, CA6.
Ref.: Welch 1976.

Callicostella pallida (Hornsch.) Ångstr.
Syn.: *Schizomitrium pallidum* (Hornsch.) Crum & Anderson
Dist.: NA4b, NA5, CA1, CA2, CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, SA10, WIa1, WIa2, WIa3, WIa4, WIa5, WIb
Alt.: 100–2800 m.
Ref.: Crum & Anderson 1981, Crosby 1969b.

Callicostella paludicola Broth.
Dist.: SA9.
Ref.: Yano 1989.

Callicostella paulensis Broth.
Syn.: *Schizomitrium paulense* (Broth.) Yano
Dist.: SA9.
Ref.: Yano 1989.

Callicostella pellucida (Mitt.) Jaeg.
Dist.: SA9.
Ref.: Yano 1981.

Callicostella perpallida (Broth.) Broth.
Syn.: *Schizomitrium perpallidum* (Broth.) Yano
Dist.: SA9.
Ref.: Yano 1989.

Callicostella perpapillata Broth. & P. Varde
Syn.: *Schizomitrium perpapillatum* (Broth. & P. Varde) Ochyra
Dist.: SA7.
Ref.: Menzel 1992.

Callicostella pilotrichidioides Broth.
Dist.: SA9.
Ref.: Yano 1981.

Callicostella plicatula Thér.
Syn.: *Schizomitrium plicatulum* (Thér.) Churchill
Dist.: SA0.
Ref.: Churchill 1989.

Callicostella radicans (Besch.) Jaeg.
Syn.: *Schizomitrium radicans* (Besch.) Crum
Dist.: WIa2, WIa3, WIb.
Ref.: Welch 1976, Crum 1984c.

Callicostella rivularis (Mitt.) Jaeg.
Syn.: *Schizomitrium rivulare* (Mitt.) Crum
Dist.: CA1, SA0, SA2, SA6, SA7, SA8, WIa2, WIa5, WIb, Is G.
Alt.: 464–1000 m.
Ref.: Welch 1976, Steere 1948.

Callicostella rufescens (Mitt.) Jaeg.
Syn.: *Schizomitrium rufescens* (Mitt.) Florsch.-de Waard
Dist.: SA3, SA4, SA5, SA6, SA9, WIb.
Ref.: Florschütz-de Waard 1986, 1990.

Callicostella saxatilis (Mitt.) Jaeg.
Dist.: SA6.
Alt.: 364 m.
Ref.: Steere 1948.

Callicostella scabripes (C. Müll.) Broth.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Ref.: Hermann 1976.

Callicostella scabriseta (Hook.) Jaeg.
Dist.: NA, CA, SA2, WIb.
Ref.: Welch 1972a, Pursell 1973.

Callicostella scabriuscula (C. Müll.) Jaeg.
Dist.: SA0, SA2, SA6, SA7, SA8.
Ref.: Hermann 1976.

Callicostella sellowiana (Hampe) Jaeg.
Dist.: SA9.
Ref.: Yano 1981.

Callicostella spuriopallida (Broth.) Broth.
Dist.: SA9.
Ref.: Yano 1989.

Callicostella strumulosa (Hampe & Lor.) Jaeg.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Ref.: Steere 1948, Hermann 1976.

Callicostella subdepressa (Besch.) Broth.
Syn.: *Schizomitrium subdepressum* (Besch.) Buck
Dist.: SA3, SA8, SA9, SA11, WIb.
Ref.: Buck 1985a.

Callicostella subfissidentoides (Besch.) Broth.
Syn.: *Schizomitrium subfissidentoides* (Besch.) Crum
Dist.: SA7, WIa5, WIb.
Alt.: 100 m.
Ref.: Welch 1976, Crum 1984c.

Callicostella submicrocarpa (Geh. & Hampe) Kindb.
Dist.: SA9.
Ref.: Yano 1989.

Callicostella submonofaria Broth.
Dist.: SA9.
Ref.: Yano 1981.

Callicostella tenerrima Bartr.
Syn.: *Schizomitrium tenerrimum* (Bartr.) Crum
Dist.: CA6, SA0.
Alt.: 280–625 m.
Ref.: Churchill 1991a, Welch 1974.

Callicostella torrentium (Broth.) Broth.
Syn.: *Schizomitrium torrentium* (Broth.) Buck
Dist.: SA11.
Ref.: Buck 1985a.

Callicostella vatteri Bartr.
Syn.: *Schizomitrium vatteri* (Bartr.) Crum
Dist.: CA1.
Ref.: Welch 1976, Crum 1984c.

Callicostellopsis meridensis (C. Müll.) Broth.
Dist.: SA2.
Ref.: Pursell 1973.

Calliergon luipichense Williams
Dist.: SA8.
Ref.: Hermann 1976.

Calliergon trifarium (Web. & Mohr) Kindb.
Dist.: NA2, NA3, NA4b, SA2, WIa3, Asia, Europe.
Alt.: 3800 m.
Ref.: Griffin 1975a.

Calliergonella cuspidata (Lindb.) Loeske
Dist.: NA4b, NA5, SA7, SA9, WIa2, Europe, Japan, New Zealand.
Alt.: 4500 m.
Ref.: Tuomikoski & Koponen 1979, Yano 1981.

Calymperes afzelii Sw.
Syn.: *Calymperes donnellii* Aust.
Dist.: NA4b, NA5, CA1, CA2, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, Bahamas, WIa1, WIa2, WIa3, WIa4, WIa5, Virgin Is, WIb, Is G, Africa; pantropical.
Alt.: 0–700 m.
Ref.: Reese 1993a, Edwards 1980, Kis 1985.

Calymperes bartramii Reese
Dist.: SA0, SA2, SA9.
Alt.: 0–1000 m.
Ref.: Reese 1961, 1983a, 1993a, Reese & Griffin 1977.

Calymperes erosum C. Müll.
Syn.: *Calymperes emersum* C. Müll.
Dist.: NA4b, NA5, CA1, CA2, CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA8, SA9, WIa1, WIa2, WIa4, WIa5, WIb, Is G, Africa; pantropical.
Alt.: 0–650 m.
Ref.: Edwards 1980, Reese 1961, 1979b, 1993a, Kis 1985.

Calymperes guildingii Hook. & Grev.
Syn.: *Syrrhopodon badius* Schimp. in Besch.
Dist.: SA0, SA2, SA3, SA4, SA5, SA9, WIa1, WIa2, WIa4, WIa5, WIb.
Alt.: 300–2100 m.
Ref.: Reese 1961, 1979c, Florschütz-de Waard 1990.

Calymperes lanceolatum Hampe
Dist.: SA3, SA4, SA9.
Ref.: Reese 1961, Reese & Griffin 1977.

Calymperes levyanum Besch.
Dist.: NA5, CA2, CA5, CA6, CA7, SA4, SA9, WIa1, WIa5, Africa, Asia.
Ref.: Reese 1961, 1993a, Reese & Griffin 1977, Magill 1981.

Calymperes lonchophyllum Schwaegr.
Syn.: *Calymperes lonchophylloides* C. Müll.
Dist.: NA5, CA1, CA2, CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA7, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb.
Alt.: 0–920 m.
Ref.: Edwards 1980, Reese 1961, 1979b, 1993a.

Calymperes mitrafugax Florsch.-de Waard
Dist.: SA2, SA4, SA5, SA7, SA9.
Ref.: Reese 1983a, 1993a, Reese & Griffin 1977.

Calymperes nicaraguense Ren. & Card.
Syn.: *Calymperes boliviamus* Williams
Dist.: NA5, CA1, CA2, CA3, CA5, CA6, CA7, SA2, SA3, SA4, SA5, SA7, SA8, SA9, WIa5, WIb.
Alt.: 0–1380 m.
Ref.: Reese 1961, 1979b, 1983a, 1993a, Crosby 1970a.

Calymperes othmeri Herz.
Syn.: *Calymperes rupicola* P. Richards
Dist.: SA0, SA2, SA3, SA4, SA5, SA9.
Alt.: 450 m.
Ref.: Florschütz-de Waard 1990, Reese 1990, 1993a.

Calymperes palisotii Schwaegr.
Syn.: *Calymperes bahiense* C. Müll.
Dist.: NA4b, NA5, CA1, CA2, CA3, CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA9, Bahamas, WIa1, WIa2, WIa3, WIa4, WIa5, Virgin Islands, WIb, Is G, Africa, Asia.
Alt.: 0–700 m.
Ref.: Reese 1983a, 1993a, Edwards 1980.

Calymperes pallidum Mitt.
Syn.: *Calymperes uleanum* Broth.
Dist.: SA0, SA4, SA5, SA6, SA7, SA9, WIa1, WIb, Africa, Madagascar, Java.
Alt.: 100 m.
Ref.: Reese 1979b, 1993a, Florschütz-de Waard 1990.

Calymperes platyloma Mitt.
Dist.: SA3, SA4, SA5, SA9.
Ref.: Reese 1961, Reese & Griffin 1977.

Calymperes rubiginosum (Mitt.) Reese
Syn.: *Calymperes rufum* Herz.
Dist.: CA4, SA0, SA2, SA3, SA4, SA5, SA7, SA9.
Ref.: Reese 1983a, 1993a, Florschütz-de Waard 1990.

Calymperes smithii Bartr.
Dist.: SA3, SA4, SA5, SA9, WIb.
Alt.: 500–750 m.
Ref.: Reese 1961, 1993a, Gradstein & Florschütz-de Waard 1989.

Calymperes tenerum C. Müll.
Syn.: *Calymperes nashii* Williams
Dist.: NA4b, NA5, SA9, Bahamas, WIa1, WIa3, WIa5, Africa; pantropical.
Ref.: Kis 1985, Reese 1993a.

Calymperes venezuelanum (Mitt.) Broth. ex Pittier
Syn.: *Calymperes maguirei* Bartr.
Dist.: CA7, SA2, SA3, SA4, SA5, WIa2, WIb.
Alt.: 0–1160 m.
Ref.: Reese & Tan 1983, Reese 1961, 1983a, 1993a.

Calyptothecium duplicatum (Schwaegr.) Broth.
Dist.: NA5, CA1, CA5, CA7, SA0, SA2, SA6, SA7, SA8, SA9, WIa1, WIa3, WIa4.
Alt.: 610–2134 m.
Ref.: Griffin 1977a, Buck & Steere 1983.

Calyptothecium planifrons (Ren. & Par.) Argent
Syn.: *Orthorrhynchidium planifrons* (Ren. & Par.) Ren. & Card.
Dist.: SA0, SA9, Africa, Madagascar.
Alt.: 800–1165 m.
Ref.: Churchill 1991a, Yano 1989.

Calyptothecium rhystotis (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1989.

Calyptothecium subacutifolium (Geh. & Hampe) Broth.
Dist.: SA9.
Ref.: Yano 1989.

Calyptothecium turgescens Broth. & Thér.
Dist.: CA1, CA6, WIa4.
Alt.: 610–1219 m.
Ref.: Buck & Steere 1983, Steere 1985.

Calyptrochaeta albescens (Hampe) Buck
Syn.: *Eriopus albescens* (Hampe) Jaeg.
Dist.: SA9.
Ref.: Buck 1987a, Yano 1989.

Calyptrochaeta deflexa (C. Müll.) Churchill
Dist.: SA0.
Ref.: Churchill 1989.

Calyptrochaeta grandiretis (Broth.) Robins.
Syn.: *Eriopus grandiretis* Broth.
Dist.: J Fdez.
Alt.: 220 m.
Ref.: Matteri 1975, Robinson 1975.

Calyptrochaeta haitensis (Crum & Steere) Crosby
Syn.: *Eriopus haitensis* Crum & Steere
Dist.: NA5, CA6, WIa3.
Ref.: Buck & Steere 1983, Crosby 1974.

Calyptrochaeta leptoloma (Broth.) Robins.
Syn.: *Eriopus leptoloma* Broth.
Dist.: J Fdez.
Alt.: 300 m.
Ref.: Matteri 1975, Robinson 1975.

Calyptrochaeta nutans (Hampe) Churchill
Dist.: SA0.
Ref.: Churchill 1989.

Calyptrochaeta setigera (Mitt.) Buck
Syn.: *Eriopus setigerus* Mitt.
Dist.: SA2, SA9.
Alt.: 2380 m.
Ref.: Buck 1987a, Griffin 1975a, Yano 1989.

Camptothecium pseudolutescens (Hampe) Jaeg.
Dist.: SA0.
Ref.: Churchill 1989.

Campylium chrysophyllum (Brid.) J. Lange
Dist.: NA3, NA4, NA5, CA1, CA3, SA0, SA9, WIa1, WIa3, WIa4, Africa, Caucasus, Europe, Japan.
Alt.: 1500–2530 m.
Ref.: Buck & Steere 1983, Winkler 1965.

Campylium halleri (Hedw.) Lindb.
Syn.: *Campylophyllum halleri* (Hedw.) Fleisch.
Dist.: NA2, NA3, NA4a, NA5, Caucasus, China, Europe, Himalayas, Japan.
Alt.: 3700 m.
Ref.: Whittemore 1987.

Campylium hispidulum (Brid.) Mitt. var. *hispidulum*
Dist.: NA2, NA3, NA4, NA5, CA6, SA2, SA7, SA8, SA9, WIa3, WIa4, Europe, Japan.
Alt.: 2350–2800 m.
Ref.: Buck & Steere 1983, Griffin 1975a.

Campylium hispidulum (Brid.) Mitt. var. *sommerfeltii* (Myr.) Lindb.
Syn.: *Campylium praegracile* (Mitt.) Broth.
Dist.: CA1, CA3, CA6, SA0, SA6, SA7, WIa3, Africa.
Alt.: 1219–2200 m.
Ref.: Buck & Steere 1983, Kis 1985.

Campylium polygamum (B.S.G.) Jens.
Dist.: NA1, NA3, NA4, NA5, SA2, SA7, SA8, SA12, Asia, Australia, Europe, New Zealand.
Alt.: 2713–4100 m.
Ref.: Menzel 1986a, 1992, Hermann 1976, Bourell 1992.

Campylium quisqueyanum Buck
Dist.: WIa3, WIa4.
Alt.: 1400–1830 m.
Ref.: Buck 1988a.

Campylium radicale (P. Beauv.) Grout
Dist.: NA3, NA4, NA5, SA6, Europe, Japan.
Alt.: 2134 m.
Ref.: Steere 1948.

Campylium stellatum (Hedw.) Jens.
Dist.: NA1, NA2, NA3, NA4, NA5, CA1, CA3, WIa3, WIa4. Afghanistan, Europe, Japan.
Alt.: 1450–1676 m.
Ref.: Buck & Steere 1983, Winkler 1965.

Campylium trichocladum (Tayl.) Broth.
Dist.: SA6.
Alt.: 1829 m.
Ref.: Steere 1948.

Campylodontium drepanioides Ren. & Card.
Dist.: CA6.
Ref.: Bowers 1974.

Campylodontium regnellianum (C. Müll.) Jaeg.
Dist.: SA9.
Ref.: Yano 1989.

Campylopodiella flagellacea (C. Müll.) Frahm & Isoviita
Syn.: *Campylopus malagensis* Herz.
Dist.: NA5, CA1, SA0, SA2, SA8.
Alt.: 2700–4000 m.
Ref.: Frahm 1991, Müller & Frahm 1987.

Campylopodiella stenocarpa (Wils. in Seem.) P. Müller & Frahm
Syn.: *Atractylocarpus stenocarpus* (Wils.) Zand.
Dist.: NA4b, NA5, CA1, CA4, CA6, CA7.
Alt.: 1100–2900 m.
Ref.: Müller & Frahm 1987, Frahm 1991, Zander 1982b.

Campylopodium medium (Duby) Giese & Frahm
Syn.: *Campylopodium euphorocladum* (C. Müll.) Besch.
Dist.: SA10, WIa5, Asia, Hawaii, Japan, Java, Malaysia, New Guinea, New Zealand, Philippines, Taiwan, Tasmania.
Ref.: Giese & Frahm 1985b.

Campylopus aemulans (Hampe) Jaeg.
Syn.: *Campylopus auribrunneus* (C. Müll.) Broth.
Dist.: SA9, SA12.
Ref.: Frahm 1986b, 1987.

Campylopus albidovirens Herz.
Syn.: *Campylopus angustialatus* Thér.
Dist.: NA5, CA1, CA3, CA6, SA0, SA2, SA6, SA7, SA8, WIa4.
Alt.: 2500–4050 m.
Ref.: Frahm 1984, 1986b, 1987, Allen 1989.

Campylopus amboroensis Thér.
Dist.: SA0, SA2, SA7, SA8.
Alt.: 3500–4400 m.
Ref.: Frahm 1984, 1986b, 1987, 1991.

Campylopus anderssonii (C. Müll.) Jaeg. & Sauerb.
Syn.: *Campylopus longisubulatus* Thér.
Dist.: NA5, CA1, CA6, CA7, SA0, SA2, SA6, SA7, SA8, Is G.
Alt.: 500–4200 m.
Ref.: Frahm 1987, Gradstein & Weber 1982.

Campylopus angustiretis (Aust.) Lesq. & Jam.
Syn.: *Campylopus ditrichoides* Broth.
Dist.: SA9, WIa1, WIa2, WIa3, WIa4, WIa5
Alt.: 610–2250 m.
Ref.: Frahm 1987, Buck & Steere 1983.

Campylopus arctocarpus (Hornsch.) Mitt. var. *arctocarpus*
Syn.: *Dicranum arctocarpum* Hornsch.
Dist.: NA4b, NA5, CA1, CA3, CA4, CA5, CA6, CA7, SA0, SA2, SA4, SA5, SA6, SA7, SA8, SA9, SA13, WIa1, WIa2, WIa4, Africa, Tristan da Cunha.
Alt.: 800–3000 m.
Ref.: Frahm 1991, Allen 1989.

Campylopus arctocarpus (Hornsch.) Mitt. var. *caldensis* (Ångstr.) Frahm
Syn.: *Campylopus crispatus* (C. Müll.) Broth.
Dist.: CA6, SA2, SA8, SA9.
Alt.: 1000–2000 m.
Ref.: Frahm 1987, 1991.

Campylopus areodictyon (C. Müll.) Mitt.
Syn.: *Campylopus subconcolor* (Hampe) Mitt.
Dist.: CA1, CA6, CA7, SA0, SA2, SA6, SA7, SA8, J Fdez.
Alt.: 2400–4500 m.
Ref.: Frahm 1984, 1987, 1991, Allen 1989.

Campylopus argyrocaulon (C. Müll.) Broth.
Syn.: *Campylopus leucognodes* (C. Müll.) Par.
Dist.: SA0, SA2, SA6, SA7, SA8.
Alt.: 3600–4550 m.
Ref.: Frahm 1984, 1987, Griffin 1975a.

Campylopus asperifolius Mitt.
Syn.: *Campylopus trichophorus* Hampe ex Herz.
Dist.: CA2, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA10.
Alt.: 80–4000 m.
Ref.: Frahm 1987, 1991, Allen 1989.

Campylopus atlanticus Allen
Dist.: CA7.
Alt.: 1200–1860 m.
Ref.: Allen 1990c.

Campylopus bryotropii Frahm
Dist.: SA0, SA2, SA7.
Alt.: 3500–3850 m.
Ref.: Frahm 1986b, 1991, Menzel 1992.

Campylopus capitulatus Bartr.
Dist.: SA2, SA6, SA7, SA8, SA9.
Alt.: 2000–3500 m.
Ref.: Frahm 1984, 1986b, 1991, Yano 1989.

Campylopus carolinae Grout
Syn.: *Campylopus cerradensis* Vital
Dist.: NA4b, SA9, WIa1.
Alt.: 1500 m.
Ref.: Crum & Anderson 1981, Yano 1989.

Campylopus cavifolius Mitt.
Dist.: CA7, SA0, SA2, SA6, SA7, SA8, Africa.
Alt.: 3400–4400 m.
Ref.: Frahm 1987, Allen 1989, Steere 1948.

Campylopus clavatus (R. Br.) Wils.
Dist.: SA7, SA8, SA10, SA12, J Fdez, Africa, Australia, New Zealand.
Ref.: Frahm 1987, Kis 1985, Hermann 1976.

Campylopus cleefii Frahm
Dist.: SA0.
Alt.: 3300–4400 m.
Ref.: Frahm 1986b, 1991, Churchill 1989.

Campylopus concolor (Hook.) Brid.
Dist.: CA1, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA12.
Alt.: 1700–4500 m.
Ref.: Frahm 1987, 1991, Steere 1948.

Campylopus controversus (Hampe) Jaeg.
Syn.: *Campylopus macrogaster* (C. Müll.) Broth.
Dist.: SA9.
Alt.: 0–2600 m.
Ref.: Frahm 1975, 1987, 1991.

Campylopus cruegeri (C. Müll.) Par.
Dist.: WIb.
Ref.: Crosby 1970a.

Campylopus cryptopodioides Broth.
Syn.: *Campylopus ramuliger* Broth.
Dist.: SA9, SA12.
Alt.: 0–1500 m.
Ref.: Frahm 1986b, 1987, 1991.

Campylopus cubensis Sull.
Syn.: *Campylopus harrisii* (C. Müll.) Par.
Dist.: CA6, CA7, SA2, SA3, SA4, SA5, WIa1, WIa2, WIa3, WIa4, WIa5, WIb.
Alt.: 500–2000 m.
Ref.: Frahm & Gradstein 1987, Frahm 1986b.

Campylopus cuspidatus (Hornsch.) Mitt. var. *cuspidatus*
Syn.: *Dicranum hoffmannii* C. Müll.
Dist.: NA5, CA1, CA6, CA7, SA2, SA6, SA8, SA9, WIa2.
Alt.: 1640–3000 m.
Ref.: Frahm 1986b, 1987, 1991, Allen 1989.

Campylopus cuspidatus (Hornsch.) Mitt. var. *dicnemoides* (C. Müll.) Frahm
Syn.: *Campylopus cucullatifolius* Herz.
Dist.: SA0, SA2, SA6, SA7, SA8, SA9.
Alt.: 2500–3900 m.
Ref.: Frahm 1986b, 1987, Churchill 1991a.

Campylopus cygneus (Hedw.) Brid.
Syn.: *Campylopus cacuminis* (C. Müll.) Par.
Dist.: WIa1, WIa2, WIa3, WIa4, WIa5, WIb, Azores.
Alt.: 610–2500 m.
Ref.: Bizot 1973, Crum & Steere 1957.

Campylopus densicoma (C. Müll.) Par. var. *densicoma*
Syn.: *Campylopus cavernosus* Frahm
Dist.: CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, SA12.
Alt.: 1000–4200 m.
Ref.: Frahm 1986b, 1987, 1991, Allen 1989.

Campylopus densicoma (C. Müll.) Par. var. *yungarum* (Herz.) Frahm
Syn.: *Campylopus yungarum* Herz.
Dist.: CA7, SA0, SA8.
Ref.: Frahm 1986b, 1987, 1991.

Campylopus dichrostis (C. Müll.) Par.
Dist.: SA9.
Ref.: Yano 1989, Frahm 1975, 1991.

Campylopus edithae Broth.
Syn.: *Campylopus andicola* Thér.
Dist.: SA0, SA2, SA6, SA7, SA8.
Alt.: 3000–5200 m.
Ref.: Frahm 1986b, 1987, 1991, Menzel 1992.

Campylopus exfimbriatus C. Müll.
Dist.: SA2.
Ref.: Frahm 1987, Pursell 1973.

Campylopus flexuosus (Hedw.) Brid. var. *flexuosus*
Syn.: *Campylopus paradoxus* Wils.
Dist.: NA, NA5, CA1, CA3, CA4, CA5, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, Africa, Asia, Australia, Europe.
Alt.: 1000–3333 m.
Ref.: Frahm 1987, 1991, Allen 1989.

Campylopus flexuosus (Hedw.) Brid. var. *incacorralis* (Herz.) Frahm
Syn.: *Campylopus incacorralis* Herz.
Dist.: SA0, SA2, SA7, SA8, Africa.
Alt.: 3200–3850 m.
Ref.: Frahm 1986b, 1987, 1991, Kis 1985.

Campylopus fragilis (Brid.) B.S.G. subsp. *fragiliformis* (Frahm) Frahm
Syn.: *Campylopus fragiliformis* Frahm
Dist.: SA9.
Ref.: Frahm 1991.

Campylopus fragilis (Brid.) B.S.G. subsp. *fragilis*
Syn.: *Campylopus subturfaceus* Card.
Dist.: NA, NA5, CA1, CA3, CA6, SA0, SA2, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, Africa, Asia, Europe.
Alt.: 400–4600 m.
Ref.: Frahm 1987, Allen 1989, Steere 1948.

Campylopus fuscocroceus (Hampe) Jaeg.
Dist.: SA9.
Ref.: Frahm 1987.

Campylopus gardneri (C. Müll.) Mitt.
Syn.: *Dicranum gardneri* C. Müll.
Dist.: SA9, SA11.
Alt.: 250–600 m.
Ref.: Frahm 1987, 1991.

Campylopus gastroalaris (C. Müll.) Par.
Syn.: *Dicranum gastroalare* C. Müll.
Dist.: SA9.
Ref.: Frahm 1987, 1991.

Campylopus gemmatus (C. Müll.) Par.
Syn.: *Campylopus arachnoideus* Herz.
Dist.: SA9.
Alt.: 800–2400 m.
Ref.: Frahm 1987, 1991.

Campylopus geraenses Par.
Dist.: SA9.
Ref.: Frahm 1987.

Campylopus griseus (Hornsch.) Jaeg. subsp. *griseus*
Syn.: *Campylopus recurvipilus* (C. Müll.) Par.
Dist.: SA9, SA12, SA13.
Ref.: Frahm 1986b, 1987, 1991.

Campylopus griseus (Hornsch.) Jaeg. subsp. *ingeniensis* (Williams) Frahm
Syn.: *Campylopus ingeniensis* Williams
Dist.: SA7, SA8.
Alt.: 3300–3400 m.
Ref.: Frahm 1991, Menzel 1992.

Campylopus heterostachys (Hampe) Jaeg. & Sauerb.
Syn.: *Campylopus annotinus* Mitt.
Dist.: NA5, CA1, CA4, CA5, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, SA11, SA12.
Alt.: 1050–4050 m.
Ref.: Frahm 1987, Allen 1989, Yano 1989.

Campylopus huallagensis Broth. var. *huallagensis*
Dist.: CA6, SA0, SA2, SA6, SA7, SA8.
Alt.: 1400–2300 m.
Ref.: Frahm 1991, Churchill 1989.

Campylopus huallagensis Broth. var. *weberbaueri* (Broth.) Frahm
Syn.: *Campylopus wurdackii* Robins.
Dist.: CA7, SA0, SA7.
Alt.: 1200–1700 m.
Ref.: Allen 1989, Frahm 1991.

Campylopus incertus Thér. in Herz.
Dist.: SA0, SA2, SA7.
Alt.: 1900–4400 m.
Ref.: Frahm 1984, 1987, 1991.

Campylopus incrassatus C. Müll.
Dist.: SA7.
Ref.: Menzel 1992, Frahm 1984.

Campylopus introflexus (Hedw.) Brid.
Syn.: *Campylopus collinus* Par.
Dist.: CA6, SA2, SA6, SA7, SA8, SA9, SA10, SA12, SA13, SA14, J Fdez, Africa.
Alt.: 50–150 m.
Ref.: Frahm 1987, Kis 1985, Steere 1948.

Campylopus itacolumitis (C. Müll.) Broth.
Dist.: SA9.
Ref.: Frahm 1987.

Campylopus jamesonii (Hook.) Jaeg.
Syn.: *Campylopus altissimus* (C. Müll.) Jaeg.
Dist.: NA5, CA1, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, SA12, Africa.
Alt.: 1500–3220 m.
Ref.: Frahm 1987, Allen 1989, Kis 1985.

Campylopus japonicus Broth.
Syn.: *Campylopus saintpierrei* Thér.
Dist.: NA5, Asia, Australia, China, Japan.
Alt.: 1500–2400 m.
Ref.: Frahm 1987, 1991.

Campylopus jugorum Herz.
Dist.: SA0, SA7, SA8.
Alt.: 3900–4400 m.
Ref.: Frahm 1986b, 1987, 1991.

Campylopus julaceus Jaeg.
Syn.: *Campylopus microjulaceus* (C. Müll.) Par.
Dist.: SA8, SA9, SA11, SA12.
Alt.: 300+ m.
Ref.: Frahm 1986b, 1987, 1991.

Campylopus julicaulis Broth.
Dist.: SA9.
Alt.: 300–2200 m.
Ref.: Frahm 1987, 1991.

Campylopus lamellinervis (C. Müll.) Mitt. var. *exaltatus* (C. Müll.) Frahm
Syn.: *Dicranum exaltatum* C. Müll.
Dist.: SA2, WIa1, WIa5.
Alt.: 500–900 m.
Ref.: Frahm 1991, Pursell 1973.

Campylopus lamellinervis (C. Müll.) Mitt. var. *lamellinervis*
Syn.: *Campylopus penicillatus* (Hornsch.) Jaeg.
Dist.: SA0, SA2, SA3, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa5.
Alt.: 914–1524 m.
Ref.: Frahm 1987, Florschütz-de Waard 1990.

Campylopus longicellularis Frahm
Dist.: SA0, SA2.
Alt.: 3000–4000 m.
Ref.: Frahm 1986b, 1987, 1991.

Campylopus luteus (C. Müll.) Par.
Syn: *Campylopus subfulvus* Thér.
Dist.: SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8.
Alt.: 800–3200 m.
Ref.: Frahm 1986b, 1987, 1991.

Campylopus mexiae Bartr. & Thér. ex Frahm
Dist.: SA0.
Ref.: Churchill 1989.

Campylopus nivalis (Brid.) Brid. var. *multicapsularis* (C. Müll.) Frahm
Syn.: *Campylopus insignis* Herz.
Dist.: SA0, SA2, SA6, SA7, SA8.
Alt.: 500–4500 m.
Ref.: Frahm 1987, 1991.

Campylopus nivalis (Brid.) Brid. var. *nivalis*
Syn.: *Campylopus chrismarii* (C. Müll.) Mitt.
Dist.: NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, SA12, WIa1, WIa4, Africa, Asia.
Alt.: 500–4550 m.
Ref.: Frahm 1986b, 1987, 1991, Allen 1989.

Campylopus oblongus Thér.
Syn.: *Campylopus bolivianus* Thér. ex Frahm
Dist.: NA5, CA6, CA7, SA0, SA2, SA7, SA8.
Alt.: 200–3400 m.
Ref.: Frahm 1986b, 1987, 1991, Menzel 1992.

Campylopus occultus Mitt.
Syn.: *Campylopus acervatus* Mitt.
Dist.: SA0, SA8, SA9, SA11, SA12, SA13.
Alt.: 0–2000 m.
Ref.: Frahm 1987, 1991, Hermann 1976.

Campylopus oerstedianus (C. Müll.) Mitt.
Syn.: *Campylopus costaricensis* Bartr.
Dist.: NA4b, CA6, SA8, WIa2, WIa4, Europe.
Alt.: 3750 m.
Ref.: Frahm 1987, 1991, Allen 1989.

Campylopus orthopodius (C. Müll.) Broth.
Dist.: SA9.
Ref.: Frahm 1975.

Campylopus paramoensis Bowers
Dist.: CA6, SA0, SA8.
Alt.: 2700–3650 m.
Ref.: Frahm 1986b, 1987, Allen 1989.

Campylopus pauper (Hampe) Mitt. var. *lamprodictyon* (Hampe) Frahm
Syn.: *Campylopus lamprodictyon* (Hampe) Mitt.
Dist.: NA5, CA6, SA0, SA2, SA9.
Alt.: 1100–2743 m.
Ref.: Frahm 1987, 1991.

Campylopus pauper (Hampe) Mitt. var. *pauper*
Syn.: *Campylopus chrysodictyon* (Hampe) Mitt.
Dist.: NA5, SA0, SA2, SA6, SA7, SA8.
Alt.: 2000–4000 m.
Ref.: Frahm 1987, 1991, Menzel 1992.

Campylopus percurvatus C. Müll.
Dist.: SA2.
Alt.: 1800 m.
Ref.: Frahm 1987, 1991, Pursell 1973.

Campylopus perexilis (C. Müll.) Par.
Dist.: SA0, SA7, SA8.
Alt.: 2690–4250 m.
Ref.: Frahm 1986b, 1987, 1991, Menzel 1992.

Campylopus pilifer Brid. subsp. *galapagensis* (Frahm & Sipman) Frahm
Syn.: *Campylopus galapagensis* Frahm & Sipman
Dist.: Is G.
Ref.: Frahm 1991.

Campylopus pilifer Brid. subsp. *pilifer*
Syn.: *Campylopus polytrichoides* De Not.
Dist.: NA4a, NA4b, NA5, CA1, CA2, CA3, CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, SA12, WIa1, WIa2, WIa4, WIa5, Africa, Asia, Europe, India.
Alt.: 300–4800 m.
Ref.: Frahm 1987, Gradstein & Weber 1982.

Campylopus pilifer Brid. subsp. *pilifer* var. *lamellatus* (Mont.) Gradst. & Sipman
Syn.: *Campylopus lamellatus* Mont.
Dist.: CA6, SA6, SA7, SA8, Africa.
Alt.: 1100–3500 m.
Ref.: Frahm 1991, Menzel 1992.

Campylopus pittieri Williams
Syn.: *Paraleucobryum densifolium* Thér.
Dist.: NA5, CA6, SA0, SA2, SA6, SA7.
Alt.: 3150–4300 m.
Ref.: Frahm 1986b, 1987, 1991, Menzel 1992.

Campylopus pyriformis (Schultz) Brid.
Syn.: *Campylopus amabilis* (C. Müll.) Par.
Dist.: SA9, SA11, Africa.
Ref.: Arts & Frahm 1990, Frahm 1987, Yano 1989.

Campylopus reflexisetus (C. Müll.) Broth.
Syn.: *Campylopus benedictii* Herz.
Dist.: NA5, CA6, SA0, SA2, SA6, SA7, SA8, SA9.
Alt.: 1200–4200 m.
Ref.: Frahm 1986b, 1987, 1991.

Campylopus renneri Herz.
Dist.: SA0, SA8.
Ref.: Frahm 1987, Hermann 1976.

Campylopus retroflexus Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Campylopus richardii Brid.
Syn.: *Campylopus atratus* Broth.
Dist.: NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA3, SA6, SA7, SA8, SA9, SA10, WIa2, WIa4, WIa5, WIb.
Alt.: 900–4000 m.
Ref.: Frahm 1987, 1991, Allen 1989.

Campylopus savannarum (C. Müll.) Mitt.
Syn.: *Campylopus arenaceum* (Broth.) Frahm
Dist.: NA5, CA1, CA2, CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA9, WIb, Africa, India, Philippines.
Alt.: 0–2000 m.
Ref.: Frahm 1991, Florschütz-de Waard 1990.

Campylopus schimperi Milde
Syn.: *Campylopus subulatus* var. *schimperi* (Milde) Husn.
Dist.: NA, NA5, SA0, China, Europe.
Alt.: 3750 m.
Ref.: Frahm 1986b, 1987.

Campylopus sehnemii Bartr.
Dist.: SA9.
Ref.: Frahm 1987, 1991.

Campylopus sharpii Frahm, Horton & Vitt
Dist.: NA5, SA0, SA2, SA6, SA7.
Alt.: 2500–3100 m.
Ref.: Frahm 1986b, 1987, 1991, Menzel 1992.

Campylopus shawii Wils.
Syn.: *Campylopus brittonae* Williams
Dist.: WIa1, WIa2, WIa4, WIa5, Azores, Europe.
Alt.: 1300–2700 m.
Ref.: Frahm 1991.

Campylopus sphagnicola Herz.
Dist.: SA9.
Ref.: Frahm 1987.

Campylopus subcuspidatus (Hampe) Jaeg. var. *damazii* (Broth.) Frahm
Syn.: *Campylopus damazii* Broth.
Dist.: SA9.
Ref.: Frahm 1987, 1991.

Campylopus subcuspidatus (Hampe) Jaeg. var. *subcuspidatus*
Syn.: *Campylopus brotherianus* Par.
Dist.: CA2, CA4, CA6, SA2, SA3, SA4, SA5, SA9, WIa5.
Alt.: 500–3000 m.
Ref.: Frahm 1987, 1991, Allen 1989.

Campylopus subfalcatus (Hornsch.) Jaeg.
Dist.: SA9.
Ref.: Frahm 1987.

Campylopus subjugorum Broth.
Dist.: SA0, SA2, SA6, SA7, SA8.
Alt.: 3800–4900 m.
Ref.: Frahm 1987, 1991, Steere 1948.

Campylopus subtrachyblepharus C. Müll.
Dist.: SA9.
Ref.: Frahm 1987.

Campylopus subulatus Schimp. in Rabenh.
Dist.: SA2, SA7, Europe, India.
Alt.: 3790–4000 m.
Ref.: Frahm 1987, Menzel 1992.

Campylopus surinamensis C. Müll.
Syn.: *Campylopus catumbensis* Broth.
Dist.: NA4b, CA2, CA4, CA6, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, SA13, WIa1, WIa5, WIb.
Alt.: 25–2100 m.
Ref.: Frahm 1991, Florschütz-de Waard 1990.

Campylopus tallulensis Sull. & Lesq.
Dist.: NA4a, NA4b, NA5, CA1, CA2, CA4, CA5, CA6, CA7, SA0, SA2, SA6, SA7, SA8, WIa3, WIa4, Is G.
Alt.: 100–3850 m.
Ref.: Frahm 1991, Gradstein & Weber 1982.

Campylopus tortilipilus Frahm
Dist.: SA9.
Ref.: Yano 1989.

Campylopus trachyblepharon (C. Müll.) Mitt.
Syn.: *Campylopus arenicola* (C. Müll.) Mitt.
Dist.: SA3, SA9, Bermuda.
Ref.: Frahm 1987, Florschütz-de Waard 1990.

Campylopus trichophylloides Thér. in Herz.
Dist.: SA0, SA2, SA6, SA7, SA8.
Alt.: 3500–4900 m.
Ref.: Frahm 1986b, 1987, 1991, Menzel 1992.

Campylopus trivialis C. Müll. ex Britt.
Syn.: *Campylopus cuatrecasii* Robins.
Dist.: CA6, SA0, SA2, SA6, SA7, SA8, SA9.
Alt.: 1750–4900 m.
Ref.: Frahm 1986b, 1987, 1991, Menzel 1992.

Campylopus trollii Thér.
Dist.: SA0, SA8.
Alt.: 3160 m.
Ref.: Frahm 1986b, 1987, Hermann 1976.

Campylopus uleanus (C. Müll.) Broth.
Dist.: SA9.
Ref.: Frahm 1987, 1991.

Campylopus valerioi Allen
Syn.: *Dicranum costaricense* Bartr.
Dist.: CA6, CA7.
Alt.: 1400–2040 m.
Ref.: Allen 1989.

Campylopus viridatus (C. Müll.) Broth.
Syn.: *Campylopus angusticosta* Frahm
Dist.: SA9.
Ref.: Frahm 1987, 1991.

Campylopus widgrenii (C. Müll.) Mitt.
Syn.: *Dicranum widgrenii* C. Müll.
Dist.: SA9.
Ref.: Frahm 1987, 1991.

Campylopus zygodonticarpus (C. Müll.) Par.
Syn.: *Campylopodium tuerckheimii* (C. Müll.) Broth.
Dist.: NA4b, NA5, CA1, CA3, CA4, CA6, CA7, SA0, SA2, SA7, Is G.
Alt.: 950–3200 m.
Ref.: Frahm 1991, Gradstein & Weber 1982.

Cardotiella quinquefaria (Hornsch.) Vitt
Syn.: *Macromitrium quinquefarium* Hornsch.
Dist.: NA5, CA1, CA6, SA9.
Ref.: Vitt 1981, Yano 1989.

Caribaeohypnum polypterum (Mitt.) Ando & Hig.
Syn.: *Hypnum polypterum* (Mitt.) Broth.
Dist.: NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA6, WIa1, WIa2, WIa3, WIa4, WIb.
Alt.: 1000–3250 m.
Ref.: Ando & Higuchi 1984, Griffin 1975a.

Catagonium brevicaudatum Broth.
Syn.: *Catagonium brasiliense* Broth.
Dist.: NA5, CA1, CA6, SA0, SA2, SA6, SA7, SA8, SA9, WIa2.
Alt.: 2804–4700 m.
Ref.: Lin 1984, 1985, Allen 1988, Bourell 1992.

Catagonium emarginatum Lin
Dist.: SA7, SA8, SA9.
Alt.: 2600–2800 m.
Ref.: Lin 1985, Yano 1989, Menzel 1992.

Catagonium myurum Card. & Broth.
Dist.: SA8.
Ref.: Lin 1985.

Catagonium nitens (Brid.) Card. subsp. *nitens*
Syn.: *Catagonium politum* (Hook. f. & Wils.) Dus.
Dist.: CA1, CA6, SA2, SA6, SA7, SA8, SA9, SA10, SA12, J Fdez, Africa, Australia, New Guinea, New Zealand.
Alt.: 3850 m.
Ref.: Lin 1984, 1985, Robinson 1975.

Ceratodon purpureus (Hedw.) Brid. subsp. *purpureus*
Syn.: *Dicranum purpureum* Hedw.
Dist.: NA5, SA0, SA2, SA6, SA9, SA10, WIa3, WIa4, Is G, J Fdez, Africa; cosmopolitan.
Alt.: 3658 m.
Ref.: Burley & Pritchard 1990.

Ceratodon purpureus (Hedw.) Brid. subsp. *convolutus* (Reich.) Burley
Syn.: *Cheilothela chilenses* (Mont.) Broth.
Dist.: SA8, SA10, WIa4, Kerguelen, New Zealand.
Ref.: Burley & Pritchard 1990.

Ceratodon purpureus (Hedw.) Brid. subsp. *stenocarpus* (B.S.G.) Dix.
Syn.: *Ceratodon stenocarpus* B.S.G.
Dist.: NA4a, NA5, CA1, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, WIa4, Africa, Asia, Europe, Philippines.
Alt.: 2000–3900 m.
Ref.: Burley & Pritchard 1990.

Chenia rhizophylla (Sak.) Zand.
Syn.: *Tortula rhizophylla* (Sak.) Iwats. & Saito
Dist.: NA4b, NA5, SA8, SA9, Africa, Australia, Europe, Hawaii, Japan.
Alt.: 2240 m.
Ref.: Arts & Sollman 1992, Saito 1975, Zander 1989.

Chenia subobliqua (Williams) Zand.
Syn.: *Tortula subobliqua* Williams
Dist.: SA7.
Alt.: 2900 m.
Ref.: Zander 1989, Menzel 1992.

Chorisodontium mittenii (C. Müll.) Broth.
Syn.: *Dicranum paramicola* C. Müll.
Dist.: CA6, CA7, SA0, SA2, SA6, SA7, SA8.
Alt.: 2750–4200 m.
Ref.: Frahm 1984, 1989, Churchill 1991b.

Chorisodontium nigricans (Herz.) Broth.
Dist.: SA7, SA8.
Ref.: Frahm 1984, 1989, Menzel 1992.

Chorisodontium setaceum (Bartr.) Bartr.
Syn:. *Dicranoloma setacea* Bartr.
Dist.: CA7, SA0, SA2, SA6.
Alt.: 4250–4300 m.
Ref.: Frahm 1984, Menzel 1986a, 1992.

Chorisodontium wallisii (C. Müll.) Broth. var. *speciosum* (Hook. f. & Wils.) Frahm
Syn.: *Chorisodontium speciosum* (Hook. f. & Wils.) Broth.
Dist.: CA6, SA0, SA2, SA6, SA7, SA8.
Ref.: Frahm 1989, Hermann 1976.

Chorisodontium wallisii (C. Müll.) Broth. var. *wallisii*
Dist.: SA0, SA2, SA6.
Ref.: Florschütz-de Waard & Florschütz 1979.

Chryso-hypnum diminutivum (Hampe) Buck
Syn.: *Mittenothamnium diminutivum* (Hampe) Britt.
Dist.: NA4b, NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, Bahamas, WIa1, WIa3, WIa4, WIa5, WIb, Is G.
Alt.: 456–3000 m.
Ref.: Nishimura & Ando 1986, Buck 1984b.

Chryso-hypnum elegantulum (Hook.) Hampe
Dist.: NA5, CA6, SA2, SA8, SA9.
Ref.: Pursell 1973.

Chryso-hypnum squarrosulum (Card.) Nish. & Ando
Syn.: *Mittenothamnium squarrosulum* Card.
Dist.: NA5, CA.
Ref.: Nishimura & Ando 1986.

Chrysoblastella chilensis (Mont.) Reim.
Syn.: *Cheilothela boliviana* (Williams) Thér.
Dist.: SA0, SA7, SA8, SA9, SA10, WIa4.
Alt.: 2300–3100 m.
Ref.: Buck 1981a, Deguchi 1991.

Cirriphyllum andinum Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Cirriphyllum laevifolium Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Cladastomum robustum Broth.
Dist.: SA9.
Ref.: Yano 1981.

Cladastomum ulei C. Müll.
Dist.: SA9.
Ref.: Yano 1989.

Claopodium pellucinerve (Mitt.) Best
Dist.: NA2, NA3, NA4a, NA5, India, Japan, Siberia.
Alt.: 2530–3109 m.
Ref.: Watanabe 1972.

Claopodium whippleanum (Sull.) Ren. & Card.
Dist.: NA3, NA4a, NA5.
Ref.: Gier 1980.

Cochlearidium aymaranum Ochyra & Mahu
Dist.: SA10.
Alt.: 4180 m.
Ref.: Ochyra & Mahu 1990.

Colobodontium aciculare Herz.
Dist.: SA0.
Ref.: Churchill 1989.

Conardia compacta (C. Müll.) Robins.
Syn.: *Amblystegium compactum* (C. Müll.) Aust.
Dist.: NA1, Na3, NA4, NA5, Europe.
Ref.: Robinson 1976.

Conostomum aequinoctiale C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.

Conostomum cleistocarpum Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Conostomum jamesonii (Tayl.) Steere
Dist.: SA6.
Ref.: Steere 1948.

Conostomum macrotheca Herz.
Dist.: SA8, WI.
Ref.: Hermann 1976.

Conostomum magellanicum Sull.
Dist.: SA9, SA10.
Ref.: Matteri 1984, Deguchi 1991.

Conostomum pentastichum (Brid.) Lindb.
Dist.: NA5, CA6, SA0, SA2, SA6, SA7, SA10, SA14, Africa, Australia, New Zealand, Tasmania.
Alt.: 2743–4400 m.
Ref.: Griffin & Hegewald 1986, Steere 1948.

Conostomum perpusillum Card. & Broth.
Dist.: SA10.
Ref.: Matteri 1984.

Conostomum speirostichum C. Müll.
Dist.: SA6.
Ref.: Steere 1948.

Coscinodontella bryanii Williams
Dist.: SA7.
Alt.: 2450 m.
Ref.: Deguchi 1987a, Menzel 1992.

Crassicosta hermannii Crum & Sharp
Dist.: NA5.
Alt.: 1500 m.
Ref.: Crum & Sharp 1984.

Cratoneuron filicinum (Hedw.) Spruce
Syn.: *Cratoneuron punae* C. Müll.
Dist.: NA2, NA3, NA4, NA5, CA1, SA0, SA2, SA6, SA7, SA8, SA9, SA12, WI, Africa, Asia, Europe, Japan, New Zealand.
Alt.: 2700–4700 m.
Ref.: Ochyra 1989, Menzel 1992.

Crossidium aberrans Holz. & Bartr.
Dist.: NA4a, NA5, Africa, Europe.
Alt.: 760 m.
Ref.: Delgadillo 1975.

Crossidium crassinervium (De Not.) Jur.
Dist.: NA4, NA5, Africa, Canary Islands, Europe, India.
Alt.: 700 m.
Ref.: Delgadillo 1975.

Crossidium rosei Williams
Dist.: SA7.
Alt.: 600–1000 m.
Ref.: Delgadillo 1975, Menzel 1992.

Crossidium seriatum Crum & Steere
Dist.: NA4a, NA5.
Alt.: 300–600 m.
Ref.: Delgadillo 1975.

Crossidium squamiferum (Viv.) Jur. var. *pottioideum* (De Not.) Mönk.
Dist.: NA4a, NA5, Africa, Asia, Canary Islands, Europe.
Alt.: 700–760 m.
Ref.: Delgadillo 1975.

Crossomitrium acuminatum Bartr.
Dist.: CA5, CA7, SA0, SA7.
Alt.: 0–1650 m.
Ref.: Allen 1990a, Welch 1974, 1976.

Crossomitrium epiphyllum (Mitt.) C. Müll.
Syn.: *Crossomitrium oerstedianum* C. Müll.
Dist.: CA1, CA5, CA6, CA7, SA0, SA2, SA3, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa5, WIb, Is G.
Alt.: 100–2340 m.
Ref.: Allen 1990a, Churchill 1991a.

Crossomitrium goebelii C. Müll.
Dist.: SA2.
Ref.: Allen 1990a, Pursell 1973.

Crossomitrium patrisiae (Brid.) C. Müll.
Syn.: *Crossomitrium heterodontium* Ren. & Card.
Dist.: NA5, CA1, CA2, CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb, Is G.
Alt.: 0–2000 m.
Ref.: Allen 1990a, Welch 1966, 1974, 1976.

Crossomitrium phragmidiaceum C. Müll.
Dist.: SA2.
Ref.: Allen 1990a, Pursell 1973.

Crossomitrium saprophilum Broth.
Dist.: CA1, CA6, SA0, SA6, SA7, SA9, WIa5.
Alt.: 80–1100 m.
Ref.: Allen 1990a, Steere 1948.

Crossomitrium scabrisetum Bartr.
Dist.: CA1.
Alt.: 300–900 m.
Ref.: Allen 1990a, Welch 1974, 1976.

Crossomitrium sintenisii C. Müll.
Syn.: *Crossomitrium paulense* Broth. & Sebille
Dist.: CA1, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA6, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb.
Alt.: 200–1500 m.
Ref.: Allen 1990a, Welch 1971a, 1976.

Crossomitrium splendens Broth.
Dist.: SA6.
Alt.: 900 m.
Ref.: Steere 1948.

Crossomitrium spruceanum C. Müll.
Dist.: SA6.
Alt.: 364–950 m.
Ref.: Steere 1948.

Crossomitrium tenellum C. Müll.
Dist.: SA2.
Ref.: Allen 1990a, Pursell 1973.

Crossomitrium wallisii C. Müll.
Dist.: CA6, CA7, SA0, SA8.
Ref.: Allen 1990a, Crosby 1969b.

Crumuscus vitalis Buck & Snider
Dist.: SA9.
Alt.: 2120 m.
Ref.: Buck & Snider 1992.

Cryphaea apiculata B.S.G.
Dist.: NA5, CA1, SA6.
Alt.: 2134–2500 m.
Ref.: Manuel 1981a.

Cryphaea attenuata B.S.G.
Dist.: NA5, CA1, CA6, SA6.
Alt.: 1524–3000 m.
Ref.: Manuel 1981a, Steere 1948.

Cryphaea boliviana Schimp. ex Britt.
Dist.: SA8.
Ref.: Hermann 1976.

Cryphaea brevipila Mitt.
Dist.: SA6.
Alt.: 1219–2800 m.
Ref.: Steere 1948.

Cryphaea caldensis Ångstr.
Dist.: SA9.
Ref.: Yano 1989.

Cryphaea fasciculosa Mitt.
Dist.: SA6.
Alt.: 3000–3500 m.
Ref.: Steere 1948.

Cryphaea filiformis (Hedw.) Brid.
Dist.: NA4b, NA5, CA1, CA6, SA2, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb.
Alt.: 100–300 m.
Ref.: Manuel 1981a, Buck & Steere 1983.

Cryphaea gracillima Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Cryphaea hygrophila C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.

Cryphaea intermedia C. Müll.
Dist.: NA5, CA1, CA5, SA7.
Ref.: Manuel 1981a, Crosby & Crum 1967.

Cryphaea jamesonii Tayl.
Dist.: SA0, SA6, SA8.
Alt.: 1829 m.
Ref.: Churchill 1989, 1991a, Steere 1948.

Cryphaea latifolia Mitt.
Dist.: SA6, SA8.
Alt.: 3200 m.
Ref.: Steere 1948, Hermann 1976.

Cryphaea leucocolea (Mitt.) Robins.
Syn.: *Cryphidium leucocoleum* (Mitt.) Jaeg.
Dist.: SA9, SA12.
Ref.: Robinson 1972a.

Cryphaea lindigiana Schimp. in Par.
Dist.: SA0, SA7.
Alt.: 2900 m.
Ref.: Menzel 1992, Churchill 1989.

Cryphaea macrospora Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Cryphaea malmei Broth.
Dist.: SA9.
Ref.: Yano 1989.

Cryphaea manoclada Ångstr.
Dist.: SA9.
Ref.: Yano 1989.

Cryphaea microspora Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Cryphaea mosenii Broth.
Dist.: SA9.
Ref.: Yano 1989.

Cryphaea nitens (C. Müll.) Schimp. ex Par.
Dist.: SA7, SA8.
Alt.: 2900 m.
Ref.: Menzel 1992, Hermann 1976.

Cryphaea orizabae Schimp. ex Besch.
Dist.: NA5, CA1.
Alt.: 304–2300 m.
Ref.: Manuel 1981a.

Cryphaea patens Hornsch.
Dist.: NA5, CA1, CA3, CA6, SA0, SA2, SA6, SA7, SA8.
Alt.: 1700–2150 m.
Ref.: Manuel 1981a, Steere 1948.

Cryphaea pilifera Mitt.
Dist.: SA0, SA6, SA7, SA8.
Alt.: 1700–3700 m.
Ref.: Churchill 1991b, Steere 1948.

Cryphaea polycarpa Schimp. ex Besch.
Dist.: NA5, CA1, CA3, CA6, northern SA.
Alt.: 350–3600 m.
Ref.: Manuel 1981a.

Cryphaea raddiana (Brid.) Hampe
Dist.: SA9.
Ref.: Yano 1989.

Cryphaea ramosa (Mitt.) Wils. in Spruce
Dist.: SA6, SA8, SA9.
Alt.: 2743–3353 m.
Ref.: Steere 1948, Hermann 1976.

Cryphaea reticulata Besch.
Dist.: NA5, CA1, CA5, CA6, SA0, SA2, SA7, WIa4.
Alt.: 300–3100 m.
Ref.: Manuel 1981a, Crosby & Crum 1967.

Cryphaea tenuicaulis C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.

Ctenidium malacodes Mitt.
Syn.: *Ctenidium anacamptopteris* (C. Müll.) Broth. var. *brevirameum* Broth.
Dist.: eastern NA, NA5, CA1, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, WIa1, WIa4.
Alt.: 1829–3200 m.
Ref.: Nishimura 1985, Buck & Steere 1983.

Curviramea mexicana (Thér.) Crum
Syn.: *Pilotrichum mexicanum* Thér.
Dist.: NA5.
Alt.: 2000 m.
Ref.: Crum 1984c.

Cyclodictyon aciculifolium (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1989.
Cyclodictyon aeruginosum (Mitt.) Kuntze
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Alt.: 464–2150 m.
Ref.: Steere 1948, Menzel 1992.
Cyclodictyon albatum (C. Müll.) Kuntze
Dist.: SA9, WIb.
Ref.: Crosby 1970a.
Cyclodictyon albicans (Hedw.) Kuntze
Syn.: *Cyclodictyon denticulatum* Kuntze
Dist.: NA5, CA1, CA2, CA4, CA5, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb, Is G.
Alt.: 396–2800 m.
Ref.: Welch 1974, Gradstein & Weber 1982.
Cyclodictyon albicaule (Besch.) Kuntze
Dist.: WIa1, WIa3, WIa4, WIa5, WIb.
Ref.: Welch 1969, Buck & Steere 1983.
Cyclodictyon allionii Broth.
Dist.: SA6.
Alt.: 900 m.
Ref.: Steere 1948.
Cyclodictyon amnigenum (C. Müll.) Broth.
Dist.: SA2.
Ref.: Pursell 1973.
Cyclodictyon angustirete Herz.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Ref.: Hermann 1976.
Cyclodictyon arsenei Thér.
Dist.: NA5.
Ref.: Welch 1976.
Cyclodictyon bakeri (Britt.) Broth. ex Par.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Ref.: Hermann 1976.
Cyclodictyon benoistii Thér.
Dist.: SA6.
Alt.: 3200–3500 m.
Ref.: Steere 1948.
Cyclodictyon bicolor (Besch.) Kuntze
Dist.: WIa5, WIb.
Ref.: Welch 1972a, 1976.
Cyclodictyon bombonasicum (Mitt.) Kuntze
Dist.: SA6.
Alt.: 456 m.
Ref.: Steere 1948.
Cyclodictyon breve Herz.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Ref.: Hermann 1976.
Cyclodictyon brittonae Bartr.
Dist.: CA6.
Ref.: Welch 1974, 1976.
Cyclodictyon caespitosum (Mitt.) Kuntze
Dist.: SA6.
Alt.: 2134 m.
Ref.: Steere 1948.
Cyclodictyon castaneum (Mitt.) Kuntze
Dist.: SA6.
Alt.: 2743 m.
Ref.: Steere 1948.
Cyclodictyon chimborazense Mitt.
Dist.: SA0, SA6, SA7.
Alt.: 1219–1780 m.
Ref.: Churchill 1991a, Steere 1948.
Cyclodictyon chloroleucum (Broth.) Broth.
Dist.: SA9.
Ref.: Yano 1989.
Cyclodictyon cuspidatum Kuntze
Dist.: CA6, SA0, SA2, SA3, SA6, SA7, SA8, SA9, SA11, WIa1, WIb, Is G.
Alt.: 914–1067 m.
Ref.: Welch 1974, Bizot 1973, Steere 1948.
Cyclodictyon densifolium (Broth.) Broth.
Dist.: WIb.
Ref.: Welch 1976.
Cyclodictyon dussii Broth.
Dist.: WIa1, WIb.
Ref.: Welch 1969, 1976.
Cyclodictyon erubescens Bartr.
Dist.: NA5, CA1, CA3, CA6.
Alt.: 1430–1829 m.
Ref.: Welch 1974, 1976, Winkler 1965.
Cyclodictyon fendleri (C. Müll.) Broth.
Dist.: SA2.
Ref.: Pursell 1973.
Cyclodictyon flexicuspes Broth.
Dist.: SA7.
Alt.: 2600–3000 m.
Ref.: Menzel 1992.
Cyclodictyon glareosum (Broth.) Broth.
Dist.: SA9.
Ref.: Yano 1989.
Cyclodictyon glaucifolium (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1989.
Cyclodictyon humectatum Card.
Dist.: NA5, CA6, CA7.
Ref.: Welch 1974, 1976, Crosby 1969b.

Cyclodictyon humile (Mitt.) Kuntze
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Alt.: 450 m.
Ref.: Menzel 1992, Hermann 1976.

Cyclodictyon hyalinum (Besch.) Kuntze
Dist.: WIb.
Ref.: Welch 1972a, 1976.

Cyclodictyon iporangeanum (Geh. & Hampe) Broth.
Dist.: SA9.
Ref.: Yano 1989.

Cyclodictyon jagianum (C. Müll.) Kuntze
Dist.: SA2.
Ref.: Pursell 1973.

Cyclodictyon jamesii Robins.
Dist.: CA6.
Ref.: Welch 1974, 1976.

Cyclodictyon krauseanum (Hampe & Lor.) Kuntze
Dist.: SA6.
Alt.: 1036 m.
Ref.: Steere 1948.

Cyclodictyon latifolium Kuntze
Dist.: SA6.
Alt.: 2438 m.
Ref.: Steere 1948.

Cyclodictyon laxifolium Herz.
Dist.: SA9.
Ref.: Yano 1981.

Cyclodictyon leucomitrium (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1989.

Cyclodictyon limbatulum (Broth.) Broth.
Dist.: WIb.
Ref.: Welch 1972a, 1976.

Cyclodictyon limbatum (Hampe) Kuntze
Dist.: SA0, SA2, SA3, SA6, SA7, SA8, SA9, SA11, WIb, Is G.
Ref.: Yano 1981, Hermann 1976.

Cyclodictyon lindigianum (Hampe) Kuntze
Dist.: SA0, SA7, WIa1, WIa3, WIa4.
Alt.: 3400 m.
Ref.: Menzel 1992, Buck & Steere 1983.

Cyclodictyon lindigianum (Hampe) Kuntze var. *acunae* Thér. ex Welch
Dist.: SA7, WIa1.
Alt.: 2300 m.
Ref.: Welch 1969, 1976, Menzel 1992.

Cyclodictyon longifrons (Broth.) Broth.
Dist.: SA9.
Ref.: Yano 1989.

Cyclodictyon marginatum (Hook. & Wils.) Kuntze
Dist.: SA9.
Ref.: Yano 1989.

Cyclodictyon maxonii Williams
Dist.: CA7.
Ref.: Welch 1974, 1976, Crosby 1969b.

Cyclodictyon minarum (Ångstr.) Kuntze
Dist.: SA9.
Ref.: Yano 1989.

Cyclodictyon minus (Ångstr.) Kuntze
Dist.: SA9.
Ref.: Yano 1989.

Cyclodictyon mittenii (Jaeg.) Kuntze
Syn.: *Cyclodictyon tenellum* Broth.
Dist.: SA6.
Alt.: 914–1829 m.
Ref.: Steere 1948.

Cyclodictyon molliculum (Broth.) Broth.
Dist.: SA9.
Ref.: Yano 1989.

Cyclodictyon nivale (C. Müll.) Kuntze
Dist.: SA0, SA2.
Ref.: Pursell 1973, Churchill 1989.

Cyclodictyon obliquicuspis (C. Müll.) Crum & Bartr.
Dist.: NA4b, WIa2, WIa3, WIa4.
Ref.: Welch 1971a, Buck & Steere 1983.

Cyclodictyon obscurifolium (Mitt.) Kuntze
Dist.: SA0, SA6.
Alt.: 3353 m.
Ref.: Steere 1948, Churchill 1989.

Cyclodictyon obscurum Herz.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Ref.: Hermann 1976.

Cyclodictyon olfersianum (Hornsch.) Kuntze
Dist.: SA9, WIa2.
Ref.: Yano 1989.

Cyclodictyon pandurifolium (Mitt.) Kuntze
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Alt.: 800–900 m.
Ref.: Menzel 1992, Hermann 1976.

Cyclodictyon pergracile Broth.
Dist.: SA9.
Ref.: Yano 1981.

Cyclodictyon plicatulum (C. Müll.) Broth.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Ref.: Hermann 1976.

Cyclodictyon prasiophyllum (Besch.) Broth.
Dist.: WIb.
Ref.: Welch 1972a, 1976.

Cyclodictyon pusillum Herz.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Ref.: Hermann 1976.
Cyclodictyon regnellianum (C. Müll.) Broth. ex Par.
Dist.: SA9.
Ref.: Yano 1981.
Cyclodictyon regnellii (Ångstr.) Kuntze
Dist.: western SA, SA9.
Ref.: Yano 1989.
Cyclodictyon richardsii Bowers & Magill
Dist.: NA5.
Alt.: 210 m.
Ref.: Bowers & Magill 1975.
Cyclodictyon rivale (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1989.
Cyclodictyon roridum (Hampe) Kuntze
Syn.: *Cyclodictyon capillatum* (Mitt.) Kuntze
Dist.: NA5, CA1, CA3, CA4, CA6, SA0, SA2, SA6, SA7, SA8, WIa2, WIa3, WIa4, WIa5.
Alt.: 364–3048 m.
Ref.: Buck 1987a, Welch 1974, 1976.
Cyclodictyon rubrisetum (Mitt.) Kuntze
Dist.: NA5, CA1, CA4, CA6, SA0.
Alt.: 1829 m.
Ref.: Welch 1974, 1976, Churchill 1989.
Cyclodictyon rugulosum (Mitt.) Kuntze
Syn.: *Hookeriopsis rugulosa* (Mitt.) Jaeg.
Dist.: SA6.
Alt.: 1524 m.
Ref.: Steere 1948.
Cyclodictyon shillicaiense (Mitt.) Kuntze
Dist.: SA6, SA7.
Alt.: 450–2438 m.
Ref.: Steere 1948, Menzel 1992.
Cyclodictyon stephanii Herz.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Ref.: Hermann 1976.
Cyclodictyon submarginatum (Ångstr.) Kuntze
Dist.: SA9.
Ref.: Yano 1989.
Cyclodictyon subtortifolium (Bartr.) Buck
Syn.: *Amblyotropis pocsii* Duarte
Dist.: NA5, CA1, CA6, SA0, SA7, WIa1.
Alt.: 1300–2073 m.
Ref.: Buck 1987a, Welch 1971b, Menzel 1992.

Cyclodictyon tocoraniense Herz.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Ref.: Hermann 1976.
Cyclodictyon ulophyllum (Besch.) Broth.
Dist.: SA0, SA2, SA6, SA7, SA8, WIb, Is G.
Ref.: Welch 1972a, 1976, Hermann 1976.
Cyclodictyon varians (Sull.) Kuntze
Dist.: NA4b, CA2, CA5, CA6, SA0, SA2, SA4, SA5, SA6, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb, Bermuda.
Ref.: Welch 1974, Florschütz-de Waard 1990.
Cyclodictyon viridissimum Kuntze
Dist.: SA9.
Ref.: Yano 1981.
Cygniella sharpii Crum
Dist.: NA5.
Alt.: 1829–1950 m.
Ref.: Crum 1986b.
Cynodontium crassirete Ångstr.
Dist.: SA9.
Ref.: Yano 1981.
Cynodontium guatemalense (Bartr.) Crum
Dist.: CA1.
Ref.: Crum 1984c.
Cynodontium mexicanum Irel.
Dist.: NA5.
Alt.: 2000–2500 m.
Ref.: Ireland 1985.
Cyrtohypnum gratum (P. Beauv.) Buck & Crum
Syn.: *Thuidium gratum* (P. Beauv.) Jaeg.
Dist.: SA2, SA9, Africa.
Ref.: Gier 1980, Buck & Crum 1990.
Cyrtohypnum involvens (Hedw.) Buck & Crum
Syn.: *Thuidium involvens* (Hedw.) Mitt.
Dist.: NA4b, NA5, CA1, CA2, CA3, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, Bahamas, WIa1, WIa2, WIa3 WIa4, WIa5, WIb, Africa.
Alt.: 107–1750 m.
Ref.: Gier 1980, Florschütz-de Waard 1990.
Cyrtohypnum leptocladum (Tayl.) Buck & Crum
Syn.: *Thuidium leptocladum* (Tayl.) Mitt.
Dist.: SA0, SA6, SA7, SA8.
Alt.: 1219–2743 m.
Ref.: Gier 1980, Buck & Crum 1990.
Cyrtohypnum mexicanum (Mitt.) Buck & Crum
Syn.: *Thuidium mexicanum* Mitt.
Dist.: NA5, CA1, CA6, CA7.
Alt.: 1615–2896 m.
Ref.: Gier 1980, Buck & Crum 1990.

Cyrtohypnum minutulum (Hedw.) Buck & Crum
Syn.: *Thuidium minutulum* (Hedw.) B.S.G.
Dist.: eastern NA, NA5, CA6, SA0, SA2, SA6, SA7, SA8, SA9, WIa1, WIa3, WIa4, WIa5, Azores, Europe.
Alt.: 914–2591 m.
Ref.: Gier 1980, Buck & Crum 1990.

Cyrtohypnum scabrosulum (Mitt.) Buck & Crum
Syn.: *Thuidium scabrosulum* Mitt.
Dist.: CA7, SA0, SA2, SA7, SA8, SA9, WIa5.
Ref.: Gier 1980, Buck & Crum 1990.

Cyrtohypnum schistocalyx (C. Müll.) Buck & Crum
Syn.: *Thuidium schistocalyx* (C. Müll.) Mitt.
Dist.: NA4b, NA5, CA2, CA6, CA7, SA0, SA7, SA8, SA9, WIa1, WIa3, WIa4, WIa5.
Alt.: 91–853 m.
Ref.: Gier 1980, Buck & Crum 1990.

Cyrtohypnum sharpii (Crum) Buck & Crum
Syn.: *Thuidium sharpii* Crum
Dist.: NA5, CA1, WIa4, WIa5.
Alt.: 106–3300 m.
Ref.: Crum 1984c, Buck & Crum 1990.

Daltonia androgyna Geh. & Hampe
Dist.: SA9.
Ref.: Yano 1989.

Daltonia aristata Geh. & Hampe
Dist.: SA9.
Ref.: Yano 1989.

Daltonia bilimbata Hampe
Dist.: SA0, SA6, SA7.
Alt.: 1000–3550 m.
Ref.: Hegewald & Hegewald 1985.

Daltonia brasiliensis Mitt.
Dist.: SA7, SA9.
Alt.: 2100 m.
Ref.: Hegewald & Hegewald 1985.

Daltonia brevinervis Bartr.
Dist.: SA0, SA7.
Alt.: 3100 m.
Ref.: Menzel 1992, Churchill 1989.

Daltonia cucullata Hampe
Dist.: SA0.
Ref.: Churchill 1989.

Daltonia fenestrellata Griffin
Dist.: SA0.
Alt.: 3350 m.
Ref.: Churchill 1991a, Griffin 1980.

Daltonia gomezii Crosby
Dist.: CA6.
Alt.: 3200 m.
Ref.: Crosby 1974.

Daltonia gracilis Mitt.
Dist.: NA5, CA1, CA4, CA6, CA7, SA0, SA6, SA7, SA8, SA9, SA10, J Fdez.
Alt.: 914–3000 m.
Ref.: Matteri 1975, Welch 1976.

Daltonia jamesonii Tayl.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Alt.: 3000 m.
Ref.: Steere 1948, Hermann 1976.

Daltonia latolimbata Broth. in Herz.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Alt.: 3100–3500 m.
Ref.: Griffin 1975a, Hermann 1976.

Daltonia lindigiana Hampe
Dist.: NA5, CA6, SA0, SA2, SA6, SA7, SA8, Is G.
Alt.: 2970 m.
Ref.: Welch 1974, 1976, Steere 1948.

Daltonia longifolia Tayl.
Dist.: NA5, CA1, CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA6, SA7, SA8, WIa1, WIa2, WIa3, WIa4 WIa5, WIb, Is G.
Alt.: 1000–2743 m.
Ref.: Welch 1974, Gradstein & Weber 1982.

Daltonia macrotheca Mitt.
Dist.: SA6.
Ref.: Steere 1948.

Daltonia ovalis Tayl.
Dist.: SA0, SA6.
Alt.: 4267 m.
Ref.: Steere 1948, Churchill 1989.

Daltonia pellucida Herz.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Alt.: 2800–3700 m.
Ref.: Hegewald & Hegewald 1985.

Daltonia peruviana Mitt.
Dist.: SA2, SA7.
Alt.: 2100–3550 m.
Ref.: Griffin 1975a.

Daltonia pulvinata Mitt.
Dist.: NA5, CA6, SA0, SA6, SA7, SA8.
Alt.: 1500–2438 m.
Ref.: Welch 1976, Steere 1948.

Daltonia stenophylla Mitt.
Dist.: NA5, CA6, SA0, SA2, SA6, SA7, SA9, WIa1, WIa2, WIa4, WIa5, WIb.
Alt.: 2000–3850 m.
Ref.: Welch 1974, 1976, Churchill 1991a.

Daltonia tenuifolia Mitt.
Dist.: NA5, CA1, CA6, SA0, SA2, SA6, SA7, SA8.
Alt.: 1000–3100 m.
Ref.: Welch 1974, 1976, Steere 1948.

Daltonia trachyodonta Mitt.
Dist.: SA0, SA2, SA6, SA7, SA8, SA10, SA12, SA13, SA14, Is G, Hermit Islands.
Alt.: 4000 m.
Ref.: Matteri 1975, Steere 1948.

Dendroalsia abietina (Hook.) Britt.
Dist.: NA3, NA4a, NA5.
Ref.: Manuel 1974.

Dendrocryphaea latifolia Griffin, Gradstein & Aguirre
Dist.: SA0.
Ref.: Griffin, Gradstein & Aguirre 1982.

Dendropogonella rufescens (Schimp.) Britt.
Dist.: NA5, CA1, CA6, SA2, SA9, WIa5.
Alt.: 213–3000 m.
Ref.: Manuel 1981a, 1973a.

Desmatodon convolutus (Brid.) Grout
Syn.: *Tortula atrovirens* Lindb.
Dist.: NA4a, NA5, southern SA, Africa, Asia, Australia, Europe.
Alt.: 920–2200 m.
Ref.: Crum 1951.

Desmatodon guepinii B.S.G.
Syn.: *Pottia guepinii* (B.S.G.) Roth
Dist.: NA4a, NA5, Europe.
Ref.: Crum 1951.

Desmatodon steereanus Zand. & Crum
Dist.: SA7.
Alt.: 4800 m.
Ref.: Zander & Crum 1977.

Dichodontium brasiliense Broth.
Dist.: SA9.
Ref.: Yano 1981.

Dicnemoloma pallidum (Hook.) Wijk & Marg.
Dist.: SA9, Australia.
Ref.: Yano 1981.

Dicranella affinis Ångstr.
Dist.: SA9.
Ref.: Yano 1989.

Dicranella alpina (C. Müll.) Par.
Syn.: *Aongstroemia alpina* C. Müll.
Dist.: NA5, CA1.
Ref.: Williams 1913, Crum 1951.

Dicranella angustifolia Mitt.
Dist.: SA0, SA2, SA6, SA8.
Ref.: Florschütz-de Waard & Florschütz 1979.

Dicranella apolensis Williams
Dist.: SA7, SA8.
Alt.: 1050 m.
Ref.: Menzel 1992, Hermann 1976.

Dicranella barnesii Card.
Dist.: NA5.
Alt.: 2920 m.
Ref.: Robinson 1964.

Dicranella bicolor (C. Müll.) Mitt.
Dist.: SA2.
Ref.: Pursell 1973.

Dicranella boliviana Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Dicranella brachyblepharis (C. Müll.) Mitt.
Syn.: *Aongstroemia brachyblepharis* C. Müll.
Dist.: NA5, CA1, CA3, WIa1, WIa2, WIa3.
Alt.: 1250–2320 m.
Ref.: Buck & Steere 1983, Winkler 1965.

Dicranella caldensis Ångstr.
Dist.: SA9.
Ref.: Yano 1989.

Dicranella callosa (Hampe) Mitt.
Dist.: SA0, SA8
Ref.: Florschütz-de Waard & Florschütz 1979.

Dicranella cardotii (R. Br.) Dixon
Syn.: *Cheilothela vaginata* Robins.
Dist.: SA0, SA2, SA10, Africa, New Zealand.
Alt.: 2500–3500 m.
Ref.: Churchill 1991b, Deguchi 1991, Robinson 1972b.

Dicranella consimilis (Hampe) Mitt.
Dist.: SA0.
Ref.: Florschütz-de Waard & Florschütz 1979.

Dicranella crinalis Geh. & Hampe
Dist.: SA9.
Ref.: Yano 1989.

Dicranella ditissima (Hampe) Mitt.
Dist.: SA0.
Ref.: Florschütz-de Waard & Florschütz 1979.

Dicranella elata Schimp. ex Mitt
Dist.: SA6, SA7, SA9.
Alt.: 914 m.
Ref.: Yano 1989, Steere 1948.

Dicranella fusca Broth.
Dist.: SA9.
Ref.: Yano 1989.
Dicranella glaziovii (Hampe) Hampe
Dist.: SA9.
Ref.: Yano 1989.
Dicranella guilleminiana (Mont.) Mitt.
Dist.: SA8, SA9, WI.
Ref.: Yano 1981, Hermann 1976.
Dicranella harrisii (C. Müll.) Broth.
Dist.: CA6, SA8, WIa1, WIa4, WIa5, Is G.
Alt.: 914–1219 m.
Ref.: Gradstein & Weber 1982, Bizot 1973.
Dicranella herminieri Besch.
Dist.: NA, CA6, CA7, SA8, WIa3, WIa5.
Ref.: Buck & Steere 1983, Crosby 1969b.
Dicranella heteromalla (Hedw.) Schimp.
Dist.: NA, CA6, SA0, SA8, Africa, Asia, Europe.
Ref.: Florschütz-de Waard & Florschütz 1979.
Dicranella hilariana (Mont.) Mitt.
Syn.: *Campylochaetium mexicanum* Besch.
Dist.: NA5, CA1, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIa1, WIa3, WIa4, WIa5, Is G.
Alt.: 500–1372 m.
Ref.: Florschütz-de Waard & Florschütz 1979.
Dicranella juliformis Broth.
Dist.: SA9.
Ref.: Yano 1989.
Dicranella longirostris (Schwaegr.) Mitt.
Syn.: *Trematodon longirostris* Schwaegr.
Dist.: NA5, CA6, northern SA, SA9, WIa1, WIa5, Is G.
Alt.: 1190–1980 m.
Ref.: Gradstein & Weber 1982, Duarte n.d.
Dicranella luteola Mitt.
Dist.: SA6.
Alt.: 914 m.
Ref.: Steere 1948.
Dicranella nanocarpa C. Müll. ex Britt.
Dist.: SA8.
Ref.: Hermann 1976.
Dicranella nitida Broth.
Dist.: SA9.
Ref.: Yano 1989.
Dicranella oscultiana De Not.
Dist.: SA6.
Ref.: Steere 1948.
Dicranella pabstiana (C. Müll.) Mitt.
Dist.: SA9.
Ref.: Yano 1989.
Dicranella perrottetii (Mont.) Mitt.
Dist.: CA6, CA7, SA0, SA2, SA8, WIa4, WIa5, WIb, Is G.
Alt.: 300–1200 m.
Ref.: Florschütz-de Waard & Florschütz 1979.
Dicranella peruviana Broth.
Dist.: SA7.
Alt.: 120 m.
Ref.: Menzel 1992.
Dicranella puiggarii Geh. & Hampe
Dist.: SA9.
Ref.: Yano 1989.
Dicranella reticulata (C. Müll.) Par.
Dist.: WIa1, WIa2, WIa5, WIb.
Ref.: Crum & Steere 1957.
Dicranella rio-grandensis Broth.
Dist.: SA9.
Ref.: Yano 1989.
Dicranella sphaerocarpa Card.
Syn.: *Seligeria lindigiana* Hampe
Dist.: NA4b, NA5, SA0, WIa5.
Alt.: 914–1980 m.
Ref.: Crum & Anderson 1981.
Dicranella strumulosa (Hampe) Mitt.
Dist.: SA0, SA9.
Ref.: Florschütz-de Waard & Florschütz 1979.
Dicranella subinclinata Lor.
Dist.: CA1, CA6, CA7, SA0, SA2, SA7, SA8, WIa1, WIa5.
Alt.: 800 m.
Ref.: Florschütz-de Waard & Florschütz 1979.
Dicranella subsulcata (Hampe) Hampe
Dist.: SA9.
Ref.: Yano 1989.
Dicranella tovariensis (C. Müll.) Mitt.
Dist.: SA2.
Ref.: Pursell 1973.
Dicranella trumpffii (Hampe in C. Müll.) Jaeg.
Dist.: SA2.
Ref.: Pursell 1973.
Dicranella vaginata (Hook.) Card.
Syn.: *Dicranella sharpii* Bartr.
Dist.: NA5, CA1, CA3, CA6, SA0, SA6, SA7, SA9, WIa1, WIa4.
Alt.: 1250–2438 m.
Ref.: Buck & Steere 1983, Winkler 1965.

Dicranella varia (Hedw.) Schimp.
Syn.: *Dicranum varium* Hedw.
Dist.: NA, NA5, CA1, SA7, WIa1, WIa3, Africa, Asia, Europe.
Alt.: 1980–3250 m.
Ref.: Buck & Steere 1983, Menzel 1992.

Dicranella venezuelana (Dozy & Molk.) Buck
Syn.: *Campylostelium venezuelanum* Dozy & Molk.
Dist.: SA2.
Ref.: Buck 1979.

Dicranella weberbaueri Broth.
Dist.: SA7.
Alt.: 1000 m.
Ref.: Menzel 1992.

Dicranodontium brasiliense Herz.
Dist.: SA9.
Ref.: Frahm 1991.

Dicranodontium denudatum (Brid.) Britt. in Williams
Dist.: NA4a, NA5, CA1, CA3, CA4, CA5, CA6, SA0, SA2, SA7, SA8, Asia, Europe.
Alt.: 2000–3000 m.
Ref.: Florschütz-de Waard & Florschütz 1979.

Dicranodontium intermedium Allen
Dist.: CA7.
Alt.: 2300–3505 m.
Ref.: Allen 1992a.

Dicranodontium meridionale Bartr.
Dist.: CA1, CA6, SA2.
Ref.: Frahm 1991.

Dicranodontium pulchroalare Broth.
Dist.: CA6, SA2, SA9.
Ref.: Frahm 1991, Pursell 1973.

Dicranoloma billardieri (Brid.) Par.
Dist.: SA7, SA9, SA10, J Fdez, Africa.
Alt.: 20–250 m.
Ref.: Tan & Koponen 1983, Robinson 1975.

Dicranoloma brasiliense Herz.
Dist.: SA9.
Ref.: Yano 1981.

Dicranoloma subnerve Herz.
Dist.: SA9.
Ref.: Yano 1981.

Dicranoweisia brunnea Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Dicranoweisia cirrata (Hedw.) Lindb.
Dist.: western NA, NA5.
Alt.: 2450–2810 m.
Ref.: Williams 1913, Cárdenas 1989.

Dicranoweisia crispula (Hedw.) Milde
Dist.: NA, SA7, Africa, Antarctica, Asia, Europe, Oceania.
Alt.: 4400–4800 m.
Ref.: Menzel 1986a, 1992.

Dicranoweisia fallax Herz.
Syn.: *Camptodontium fallax* (Herz.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Dicranoweisia fastigiata (Tayl.) Par.
Dist.: SA6.
Ref.: Steere 1948.

Dicranoweisia flexipes Herz.
Syn.: *Camptodontium flexipes* (Herz.) Broth.
Dist.: SA7, SA8.
Alt.: 4000–4420 m.
Ref.: Hegewald & Hegewald 1985.

Dicranum deflexicaulon C. Müll.
Dist.: SA0.
Ref.: Florschütz-de Waard & Florschütz 1979.

Dicranum flagellare Hedw.
Syn.: *Orthodicranum flagellare* (Hedw.) Loeske
Dist.: NA, NA5, CA1, CA3, CA6, SA0, WIa3, WIa4, Asia, Europe.
Alt.: 0–2900 m.
Ref.: Buck & Steere 1983, Winkler 1965.

Dicranum frigidum C. Müll.
Syn.: *Dicranum flaccidissimum* C. Müll.
Dist.: NA5, CA1, CA3, CA6, SA0, SA2, SA6, SA7, SA8, SA9.
Alt.: 1700–3353 m.
Ref.: Florschütz-de Waard & Florschütz 1979.

Dicranum goudotii Hampe
Dist.: SA0.
Ref.: Florschütz-de Waard & Florschütz 1979.

Dicranum gregoryi Allen
Dist.: SA7.
Alt.: 4267 m.
Ref.: Allen 1988.

Dicranum lophoneuron C. Müll.
Syn.: *Dicranum andrieuxii* Besch.
Dist.: NA5.
Ref.: Crum 1951.

Dicranum montanum Hedw.
Dist.: NA2, NA3, NA4a, NA4b, SA7, Europe.
Alt.: 2700 m.
Ref.: Crum & Anderson 1981, Menzel 1992.

Dicranum paramicola C. Müll.
Dist.: SA0, SA7.
Alt.: 3200–3950 m.
Ref.: Menzel 1992, Churchill 1989.

Dicranum peruvianum Robins.
Dist.: SA0, SA7.
Alt.: 3400–3550 m.
Ref.: Hegewald 1975, Robinson 1967b.

Dicranum rhabdocarpum Sull.
Syn.: *Orthodicranum rhabdocarpum* (Sull.) Holz.
Dist.: NA4a, NA5, CA1, WIa4.
Alt.: 0–3300 m.
Ref.: Buck & Steere 1983, Steere 1985.

Dicranum scoparium Hedw.
Syn.: *Dicranum mexicanum* Schimp.
Dist.: NA, NA5, CA, SA2, Africa, Asia, Australia, Europe, New Zealand.
Ref.: Pursell 1973.

Dicranum stenocarpum (Hampe) Frahm
Syn.: *Campylopus stenocarpus* (Hampe) Jaeg.
Dist.: SA9, SA12.
Ref.: Frahm 1987.

Dicranum strictiusculum Hampe
Dist.: SA0.
Ref.: Florschütz-de Waard & Florschütz 1979.

Dicranum sumichrastii Duby
Dist.: NA5, WIa4.
Alt.: 0–2800 m.
Ref.: Buck & Steere 1983, Steere 1985.

Dicranum tubulifolium Irel.
Dist.: NA5.
Alt.: 1950–2600 m.
Ref.: Ireland 1984.

Dicranum vesiculare Hampe
Dist.: SA0.
Ref.: Florschütz-de Waard & Florschütz 1979.

Didymodon amblyophyllus (Hook.) Broth.
Dist.: SA9, SA12.
Ref.: Yano 1989.

Didymodon angustifolius Bartr.
Dist.: SA2.
Ref.: Pursell 1973.

Didymodon argentinicus (Par.) Par.
Dist.: southern SA, SA8.
Ref.: Hermann 1976.

Didymodon australasiae (Hook. & Grev.) Zand. var. *australasiae*
Dist.: NA, NA5, CA, SA0, SA2, SA6, SA7, SA8, Africa, Australasia, Europe, New Zealand.
Alt.: 137–4100 m.
Ref.: Zander 1981b, Hermann 1976.

Didymodon australasiae (Hook. & Grev.) Zand. var. *umbrosus* (C. Müll.) Zand.
Dist.: NA, NA5, SA7, Europe.
Alt.: 500–2700 m.
Ref.: Zander 1981b.

Didymodon chimborazensis (Mitt.) Par.
Dist.: SA6.
Ref.: Steere 1948.

Didymodon contortus Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Didymodon fallax (Hedw.) Zand. var. *fallax*
Syn.: *Barbula fallax* Hedw.
Dist.: NA3, NA4, NA5, SA7, Africa, Asia, Europe.
Alt.: 1500–4000 m.
Ref.: Hegewald & Hegewald 1985.

Didymodon fallax (Hedw.) Zand. var. *reflexus* (Brid.) Zand.
Dist.: NA4a, NA5, Africa, Asia, Europe.
Alt.: 0–2800 m.
Ref.: Zander 1981b.

Didymodon humboldtii (Herz.) Hegewald
Dist.: SA7.
Ref.: Menzel 1992.

Didymodon incrassatolimbatus Card.
Dist.: NA5.
Ref.: Zander 1981b.

Didymodon inundatus (Mitt.) Broth.
Dist.: southern SA, SA2.
Ref.: Pursell 1973.

Didymodon juniperinus (C. Müll.) Broth.
Dist.: SA7.
Ref.: Menzel 1992.

Didymodon killipii Williams
Dist.: SA0.
Ref.: Churchill 1989.

Didymodon laevigatus (Mitt.) Zand.
Dist.: SA0, SA7.
Alt.: 3000–4550 m.
Ref.: Hegewald & Hegewald 1985.

Didymodon macrophyllus Broth. in Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Didymodon merceyoides Broth. in Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Didymodon michiganensis (Steere) Saito
Dist.: NA3, NA4, NA5, Assam, India, Japan.
Alt.: 0–2440 m.
Ref.: Zander 1981b.
Didymodon moritzianus (C. Müll.) Broth.
Dist.: SA2.
Ref.: Pursell 1973.
Didymodon pelichucensis Williams
Dist.: SA8.
Ref.: Hermann 1976.
Didymodon perexilis (C. Müll.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Didymodon revolutus (Card.) Williams
Syn.: *Husnotiella revoluta* Card.
Dist.: NA4a, NA4b, NA5, CA1, western SA.
Alt.: 0–2280 m.
Ref.: Zander 1981b.
Didymodon rigidulus Hedw. var. *gracilis* (Schleich. ex Hook. & Grev.) Zand.
Dist.: NA, NA5, CA, SA7, Asia, Europe, Middle East.
Alt.: 1300–3360 m.
Ref.: Zander 1981b.
Didymodon rigidulus Hedw. var. *icmadophilus* (Schimp. ex C. Müll.) Zand.
Dist.: NA, NA5, CA, SA0, Asia, Europe.
Alt.: 1750–3600 m.
Ref.: Zander 1981b, Churchill 1989.
Didymodon rigidulus Hedw. var. *rigidulus*
Dist.: NA5, SA7, SA9, Africa, Asia, Europe.
Alt.: 900–4150 m.
Ref.: Zander 1981b, Schäfer-Verwimp 1992.
Didymodon rigidulus Hedw. var. *subulatus* (Thér. & Bartr.) Zand.
Dist.: NA4a, NA5, SA7.
Alt.: 900–2500 m.
Ref.: Zander 1981b.
Didymodon semivaginatus (Brit.) Broth.
Dist.: SA7, SA8.
Alt.: 3000 m.
Ref.: Menzel 1992, Hermann 1976.
Didymodon subtophaceus Williams
Dist.: southern SA, SA8.
Ref.: Hermann 1976.
Didymodon subtriquetrus Robins.
Dist.: SA7.
Alt.: 2134 m.
Ref.: Robinson 1967b, Menzel 1992.
Didymodon tophaceus (Brid.) Lisa
Syn.: *Husnotiella pringlei* (Card.) Grout
Dist.: NA, NA5, CA3, SA7, SA8, WIa3, Africa, Asia, Europe.
Alt.: 1100–2700 m.
Ref.: Zander 1981b, Buck & Steere 1983.
Didymodon vinealis (Brid.) Zand. var. *brachyphyllus* (Sull.) Zand.
Dist.: NA, NA5.
Alt.: 0–1600 m.
Ref.: Zander 1981b.
Didymodon vinealis (Brid.) Zand. var. *luridus* (Hornsch. ex Spreng.) Zand.
Syn.: *Barbula lurida* (Hornsch. in Spreng.) Lindb.
Dist.: NA4a, NA5, CA1, Africa, Asia, Europe, Middle East.
Alt.: 0–1570 m.
Ref.: Zander 1981b.
Didymodon vinealis (Brid.) Zand. var. *vinealis*
Syn.: *Barbula rectifolia* Tayl.
Dist.: NA, NA5, CA6, SA0, SA6, SA7, SA8, Africa, Asia, Europe.
Alt.: 0–3658 m.
Ref.: Zander 1981b, Menzel 1992.
Dimerodontium balansae C. Müll. ex Besch.
Dist.: SA11.
Ref.: Buck 1985a.
Dimerodontium mendozense Mitt.
Dist.: SA9, SA10, SA12, SA13.
Ref.: Yano 1989.
Dimerodontium pellucidum (Schwaegr.) Mitt.
Dist.: SA9, SA10.
Ref.: Yano 1989.
Dimorphella brasiliensis Broth. & Herz.
Dist.: SA9.
Ref.: Yano 1981.
Diphyscium chiapense Norris
Dist.: NA5.
Ref.: Norris 1981.
Diphyscium domingense (Brid.) Buck
Dist.: WIa4.
Alt.: 2800 m.
Ref.: Buck & Steere 1983, Steere 1985.

Diphyscium fendleri C. Müll.
Dist.: SA0, SA2, SA7.
Alt.: 500 m.
Ref.: Menzel 1992, Pursell 1973.

Diphyscium foliosum (Hedw.) Mohr
Dist.: NA, NA5, CA1, WIa1, Asia, Europe.
Ref.: Duarte n.d.

Diphyscium peruvianum Spruce ex Mitt.
Dist.: SA7.
Alt.: 750 m.
Ref.: Menzel 1992.

Diphyscium ulei C. Müll.
Dist.: SA3, SA9.
Alt.: 80–1200 m.
Ref.: Yano 1989, Buck 1990a.

Diploneuron connivens Bartr.
Syn.: *Harpophyllum subulatum* Britt.
Dist.: WIa1, WIa2.
Alt.: 406–801 m.
Ref.: Allen & Crosby 1986a.

Distichium capillaceum (Hedw.) B.S.G.
Syn.: *Cynodontium capillaceum* Hedw.
Dist.: NA, NA5, CA1, SA0, SA6, SA7, SA8, SA10, Africa, Asia, Australia, Europe, Japan, New Guinea, New Zealand.
Alt.: 3000–4575 m.
Ref.: Seppelt 1982, Steere 1948.

Distichophyllidium elongatum Mitt.
Dist.: SA0.
Ref.: Churchill 1989.

Distichophyllum assimile Broth.
Dist.: J Fdez.
Ref.: Matteri 1975.

Distichophyllum dicksonii (Hook. & Grev.) Mitt.
Dist.: SA10, SA12.
Alt.: 150–220 m.
Ref.: Matteri 1975, Deguchi 1991.

Distichophyllum fernandezianum Broth.
Dist.: SA10, J Fdez.
Ref.: Matteri 1975.

Distichophyllum gracile Ångstr.
Dist.: SA9.
Ref.: Yano 1981.

Distichophyllum grandifolium Matteri
Dist.: SA10, SA12.
Ref.: Matteri 1975.

Distichophyllum kraussei (Lor.) Mitt.
Dist.: SA10, SA12.
Alt.: 500–800 m.
Ref.: Matteri 1975, Deguchi 1991.

Distichophyllum minutum C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Distichophyllum nanospathulum Herz.
Dist.: SA10, SA12.
Ref.: Matteri 1975.

Distichophyllum rotundifolium (Hook. f. & Wils.) C. Müll. & Broth.
Dist.: SA10, SA12, Australia, New Zealand.
Alt.: 40–250 m.
Ref.: Matteri 1975, Deguchi 1991.

Distichophyllum subelimbatum Broth.
Dist.: J Fdez.
Alt.: 650 m.
Ref.: Matteri 1975.

Ditrichum bogotense (Hampe) Broth.
Dist.: SA0, SA8.
Ref.: Florschütz-de Waard & Florschütz 1979.

Ditrichum capillare (C. Müll.) Par.
Dist.: SA8.
Ref.: Hermann 1976.

Ditrichum crinale (Tayl.) Kuntze
Dist.: CA, SA0, SA6, SA8, SA9.
Alt.: 2170–3000 m.
Ref.: Florschütz-de Waard & Florschütz 1979.

Ditrichum difficile (Duby) Fleisch.
Dist.: NA, southern and western SA, SA10, J Fdez, Africa, Asia, Australia, India, Madagascar, New Zealand.
Ref.: Seppelt 1982, Robinson 1975.

Ditrichum flexicaule (Schwaegr.) Hampe
Dist.: NA1, NA2, NA3, NA4a, NA4b, CA1, SA0, SA7, Asia, Europe.
Alt.: 4160 m.
Ref.: Crum & Anderson 1981, Menzel 1992.

Ditrichum gracile (Mitt.) Kuntze
Syn.: *Cynontodium gracile* Mitt.
Dist.: NA5, CA1, CA3, SA0, SA2, SA6.
Alt.: 2150–4000 m.
Ref.: Florschütz-de Waard & Florschütz 1979.

Ditrichum heteromallum (Hedw.) Britt.
Syn.: *Weissia heteromalla* Hedw.
Dist.: NA, NA5, SA0, SA10, Europe.
Alt.: 2990 m.
Ref.: Florschütz-de Waard & Florschütz 1979.

Ditrichum itatiaiae (C. Müll.) Par.
Dist.: SA9.
Ref.: Yano 1981.

Ditrichum levieri (Herz.) Hilp.
Dist.: SA8.
Ref.: Hermann 1976.

Ditrichum liliputanum (C. Müll.) Par.
Dist.: SA9.
Ref.: Yano 1981.
Ditrichum paulense Geh. & Hampe
Dist.: SA9.
Ref.: Yano 1981.
Ditrichum rufescens (Hampe) Hampe
Syn.: *Ditrichum mexicanum* Hampe
Dist.: NA5, CA1, SA0, SA2, SA6, SA7, SA8, WIa1, WIa3, WIa4.
Alt.: 2000–3000 m.
Ref.: Buck & Steere 1983, Steere 1948.
Ditrichum steyermarkii Bartr.
Dist.: CA1, CA6.
Alt.: 2700–3800 m.
Ref.: Bowers, Sharp & Robinson 1973.
Ditrichum strictum (Hook. f. & Wils.) Hampe
Dist.: southern SA, SA6, Africa, Australia, New Zealand.
Ref.: Steere 1948.
Ditrichum subflexuosum Par.
Dist.: SA8.
Ref.: Hermann 1976.
Ditrichum submersum Card. & Herz.
Dist.: SA0, SA8.
Ref.: Florschütz-de Waard & Florschütz 1979.
Ditrichum subrufescens Broth.
Dist.: SA9.
Ref.: Yano 1981.
Ditrichum ulei (C. Müll.) Par.
Dist.: SA9.
Ref.: Schäfer-Verwimp 1991.
Dolotortula mniifolia (Sull.) Zand.
Syn.: *Tortula mniifolia* (Sull.) Mitt.
Dist.: NA5, CA1, CA4, CA6, SA0, SA2, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb.
Alt.: 600–2050 m.
Ref.: Mishler 1985, Zander 1989.
Donnellia commutata (C. Müll.) Buck
Syn.: *Meiothecium tenerum* Mitt.
Dist.: NA4b, NA5, CA2, CA6, CA7, SA8, SA9, WIa1, WIa3, WIa4, WIa5.
Ref.: Buck 1982b, 1988b, Yano 1989.
Donnellia lagenifera (Mitt.) Buck
Syn.: *Meiothecium lageniferum* Mitt.
Dist.: SA9.
Ref.: Buck 1982b, 1988b.
Donnellia lageniformis (C. Müll.) Buck
Syn.: *Meiotheciopsis lageniformis* (C. Müll.) Broth.
Dist.: CA6, SA9.
Ref.: Buck 1982b, 1988b.
Donnellia longidens (Ångstr.) Buck
Syn.: *Meiothecium longidens* (Ångstr.) Broth.
Dist.: SA9.
Ref.: Buck 1982b, 1988b.
Drepanocladus aduncus (Hedw.) Warnst. var. *aduncus*
Dist.: NA1, NA2, NA3, NA4, NA5, CA1, SA7, SA8, SA10, Africa, Asia, Australia, Europe, Kerguelen, New Zealand.
Alt.: 2675–4350 m.
Ref.: Hegewald & Hegewald 1985.
Drepanocladus aduncus (Hedw.) Warnst. var. *polycarpus* (Bland. ex Voit) Roth fo. *gracilescens* (B.S.G.) Mönk.
Syn.: *Brachythecium integrifolium* Thér.
Dist.: NA5; Northern Hemisphere.
Alt.: 2240 m.
Ref.: Crum 1951, Crum & Anderson 1981.
Drepanocladus brasiliensis Broth.
Dist.: SA9.
Ref.: Yano 1981.
Drepanocladus brevinervis (Broth.) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Drepanocladus capillaceus (Mitt.) Broth. ex Par.
Dist.: SA6, SA7.
Ref.: Steere 1948, Menzel 1992.
Drepanocladus capillifolius (Warnst.) Warnst.
Dist.: NA3, SA7, Asia, Europe.
Alt.: 3650 m.
Ref.: Hegewald & Hegewald 1985.
Drepanocladus exannulatus (Schimp. in B.S.G.) Warnst.
Dist.: NA1, NA2, NA3, NA4, NA5, CA1, SA0, SA2, SA6, SA7, SA8, SA10, SA14, Africa, Asia, Australia, Europe, Japan.
Alt.: 3560–3900 m.
Ref.: Griffin 1975a, Hermann 1976.
Drepanocladus fluitans (Hedw.) Warnst.
Dist.: SA0, SA6, SA7, Africa, Europe.
Alt.: 2300 m.
Ref.: Kis 1985, Steere 1948, Menzel 1992.

Drepanocladus leitensis (Mitt.) Broth. ex Par.
Dist.: SA6.
Alt.: 2286–3500 m.
Ref.: Robinson, Holm-Nielsen & Lojtnant 1977.

Drepanocladus longifolius (Wils. ex Mitt.) Broth.
Syn.: *Cratoneuron submersum* Herz.
Dist.: SA7, SA8, SA12.
Alt.: 3500–4700 m.
Ref.: Ochyra 1989, Menzel 1986a, 1992.

Drepanocladus revolvens (Sw.) Warnst.
Dist.: SA0, SA7.
Alt.: 3400–4550 m.
Ref.: Hegewald & Hegewald 1985.

Drepanocladus sendtneri (Schimp.) Warnst.
Syn.: *Cratoneuron sordidum* (C. Müll.) Broth.
Dist.: NA5, Crozet Island.
Ref.: Ochyra 1989.

Drepanocladus uncinatus (Hedw.) Warnst.
Dist.: NA1, NA2, NA3, NA4, NA5, SA0, SA6, SA10, SA12, Africa, Asia, Australia, Europe, Himalayas, Japan, Kerguelen, New Zealand.
Alt.: 3353–3658 m.
Ref.: Kis 1985, Steere 1948.

Drepanocladus vernicosus (Lindb.) Warnst.
Dist.: NA, WIa4, Europe.
Alt.: 1950 m.
Ref.: Hedenäs 1989.

Drummondia pursellii Vitt & Crum
Dist.: NA5.
Alt.: 2040 m.
Ref.: Manuel 1973b, Vitt & Crum 1968.

Eccremidium floridanum Crum
Dist.: NA4b, SA9.
Ref.: Yano 1989, Crum 1981b.

Ectropotheciopsis brasiliensis Sehnem
Dist.: SA9.
Ref.: Yano 1989.

Ectropothecium aeruginosum (C. Müll.) Mitt.
Dist.: SA2, SA6, SA7, SA8, SA9.
Alt.: 456–914 m.
Ref.: Steere 1948, Menzel 1992.

Ectropothecium apiculatum Mitt.
Dist.: CA6, CA7, SA0, SA6, SA7, SA9, WIa2.
Alt.: 650–900 m.
Ref.: Steere 1948, Bowers 1974.

Ectropothecium aquaticum Buck
Dist.: WIa4.
Alt.: 230 m.
Ref.: Buck 1984b.

Ectropothecium campaniforme (C. Müll.) Par.
Dist.: SA9.
Ref.: Yano 1981.

Ectropothecium campanulatum Mitt.
Dist.: SA0, SA8.
Ref.: Hermann 1976, Churchill 1989.

Ectropothecium costaricense Ren. & Card.
Dist.: CA6.
Ref.: Bowers 1974.

Ectropothecium cupressoides (C. Müll.) Mitt.
Dist.: SA2, SA9.
Ref.: Yano 1981, Pursell 1973.

Ectropothecium dealbatum (Reinw. & Hornsch.) Jaeg.
Dist.: SA9, Asia.
Ref.: Yano 1989.

Ectropothecium effusum Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Ectropothecium hypnoides (Hornsch.) Jaeg.
Dist.: SA9.
Ref.: Yano 1981.

Ectropothecium leptochaeton (Schwaegr.) Buck
Syn.: *Ectropothecium globitheca* (C. Müll.) Mitt.
Dist.: NA5, CA1, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIa1, WIa3, WIa4, WIa5.
Alt.: 500–2600 m.
Ref.: Gradstein & Florschütz-de Waard 1989.

Ectropothecium minutum Broth.
Dist.: SA9.
Ref.: Yano 1981.

Ectropothecium plumulum Mitt.
Dist.: WIa1.
Ref.: Mitten 1869, Duarte n.d.

Ectropothecium pulchrum (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Ectropothecium urceolatum (Hornsch.) Mitt.
Dist.: SA9.
Ref.: Yano 1981.

Ectropothecium wainioi Broth.
Dist.: SA9.
Ref.: Yano 1981.

Elharveya vesicularioides (Crum) Crum
Syn.: *Harveya vesicularioides* Crum
Dist.: NA5.
Alt.: 770 m.
Ref.: Crum 1985b, 1986b, Buck 1987a.

Elmeriobryum guatemalense Rohrer
Dist.: CA1, CA3, CA6.
Ref.: Rohrer 1986.

Encalypta armata Broth.
Dist.: SA10, SA12.
Ref.: Horton 1983.

Encalypta asperifolia Mitt.
Dist.: SA0, SA6, SA7, SA8, SA12.
Alt.: 2350–4520 m.
Ref.: Horton 1983, Steere 1948.

Encalypta ciliata Hedw.
Syn.: *Encalypta mexicana* C. Müll.
Dist.: NA1, NA2, NA3, NA4a, NA4b, NA5, CA1, SA0, SA6, SA7, SA8, SA10, SA12, WIa4, Africa, Asia, Europe.
Alt.: 2800–4550 m.
Ref.: Horton 1983, Buck & Steere 1983.

Encalypta flowersiana Hort.
Dist.: NA4b, CA1, WIa3.
Alt.: 2684–3300 m.
Ref.: Horton 1979, 1983, Buck & Steere 1983.

Encalypta peruviana Broth.
Dist.: SA7.
Alt.: 4400–4600 m.
Ref.: Menzel 1992, Horton 1983.

Encalypta vulgaris Hedw.
Dist.: NA, NA5, Africa, Asia, Australia, Europe.
Ref.: Horton 1983.

Entodon abbreviatus (Besch.) Jaeg. & Sauerb.
Dist.: NA5.
Ref.: Crum 1951.

Entodon argyreus (Besch.) Besch.
Dist.: SA9, SA11.
Ref.: Buck 1980b, 1985a.

Entodon aurescens Hampe
Dist.: NA, CA6, SA0, SA2, SA7, SA8.
Alt.: 3050 m.
Ref.: Buck 1980b, Hegewald & Hegewald 1985.

Entodon beyrichii (Schwaegr.) C. Müll.
Syn.: *Entodon erythropus* Mitt.
Dist.: NA5, CA1, CA3, CA5, CA6, SA0, SA6, SA7, SA8, SA9, WIa1, WIa3, WIa4.
Alt.: 600–3100 m.
Ref.: Buck 1980b, Buck & Steere 1983.

Entodon brevirostris (Besch.) Jaeg. & Sauerb.
Dist.: NA5, CA6.
Ref.: Crum 1951.

Entodon campipatrum Sehnem
Dist.: SA9.
Ref.: Buck 1980b.

Entodon columnaris (Schwaegr.) Mitt.
Dist.: SA2, SA9.
Ref.: Buck 1980b, Pursell 1973.

Entodon complicatus (C. Müll.) Mitt.
Dist.: NA5, SA0, SA2.
Ref.: Buck 1980b, Pursell 1973.

Entodon concinnus (De Not.) Par.
Dist.: NA3, NA4, SA6, Asia, China, Europe, Japan.
Alt.: 1550 m.
Ref.: Crum & Anderson 1981.

Entodon cupressiformis Hampe
Dist.: SA0.
Ref.: Buck 1980b, Churchill 1989.

Entodon distans (C. Müll.) Mitt.
Dist.: SA2.
Ref.: Buck 1980b, Pursell 1973.

Entodon flavissimus C. Müll.
Dist.: SA7, SA8.
Alt.: 4035 m.
Ref.: Buck 1980b, Hegewald & Hegewald 1985.

Entodon flexipes C. Müll.
Dist.: SA8.
Ref.: Buck 1980b, Hermann 1976.

Entodon gracilis (Ångstr.) Jaeg.
Dist.: SA9.
Ref.: Buck 1980b.

Entodon gracilisetus Hampe
Dist.: SA0, SA8.
Ref.: Buck 1980b, Hermann 1976.

Entodon hampeanus C. Müll.
Dist.: NA4b, NA5, CA1, CA3, CA7, SA0, SA2, SA6, SA8, WIa3, WIa4
Alt.: 1219–2020 m.
Ref.: Buck 1980b, Buck & Steere 1983.

Entodon incurvatus (Hornsch.) Hampe
Dist.: SA9.
Ref.: Buck 1980b.

Entodon jamesonii (Tayl.) Mitt.
Dist.: NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9.
Alt.: 1250–3600 m.
Ref.: Buck 1980b, Hegewald & Hegewald 1985.

Entodon lindbergii Hampe
Dist.: SA9.
Ref.: Buck 1980b.

Entodon macropodus (Hedw.) C. Müll.
Dist.: NA4b, NA5, CA1, SA0, SA2, SA8, SA9, WIa1, WIa3, WIa4, WIa5, Africa, Asia.
Ref.: Buck 1980b, Duarte n.d., Townsend 1991.

Entodon micans Herz.
Dist.: SA7, SA12.
Ref.: Buck 1980b, Menzel 1992.

Entodon microcarpus Broth. in Herz., *hom. illeg.*
Dist.: SA8.
Ref.: Hermann 1976.

Entodon mosenii Broth.
Dist.: SA9.
Ref.: Buck 1980b.

Entodon myurus (Hook.) Hampe
Dist.: SA2, SA9, India.
Ref.: Buck 1980b, Pursell 1973.

Entodon nanoclimacium C. Müll.
Dist.: SA7, SA8.
Ref.: Buck 1980b, Menzel 1992.

Entodon pallescens (C. Müll.) Mitt.
Dist.: CA6, SA0, SA2, SA6, SA8, WI.
Alt.: 2000–3048 m.
Ref.: Buck 1980b, Churchill 1991b.

Entodon pallidisetus Mitt.
Dist.: SA6, SA7, SA8.
Alt.: 1200–1676 m.
Ref.: Buck 1980b, Steere 1948, Menzel 1992.

Entodon plicatus C. Müll.
Dist.: SA9, Asia, Australia, Hawaii, India, Philippines, Polynesia.
Ref.: Buck 1980b.

Entodon plumosus C. Müll.
Dist.: SA9.
Ref.: Buck 1980b.

Entodon propinquus Hampe
Dist.: SA0.
Ref.: Buck 1980b, Churchill 1989.

Entodon ramosissimus Hampe
Dist.: SA0.
Ref.: Buck 1980b, Churchill 1989.

Entodon schleicheri (Schimp.) Demeter
Dist.: NA, NA5, Europe.
Alt.: 3100 m.
Ref.: Buck 1980b, Whittemore 1987.

Entodon serrulatus Mitt.
Syn.: *Entodon stenocarpus* (Besch.) Jaeg.
Dist.: NA5, CA1, CA6, WIa3.
Alt.: 1300 m.
Ref.: Buck 1980b, Buck & Steere 1983.

Entodon splendidulus Hampe
Dist.: SA9.
Ref.: Buck 1980b.

Entodon suberythropus C. Müll.
Dist.: SA8, SA9, SA12, Africa.
Ref.: Hermann 1976, Buck 1980b.

Entodon subflexipes Broth.
Dist.: SA7.
Alt.: 1000 m.
Ref.: Menzel 1992.

Entodon virens (Hook. f. & Wils.) Mitt.
Dist.: SA9.
Ref.: Buck 1980b.

Entodon wagneri Lor.
Dist.: SA6.
Alt.: 914–3200 m.
Ref.: Buck 1980b, Steere 1948.

Entodontopsis angustiretis (Broth.) Buck & Irel.
Syn.: *Stereophyllum oblongifolium* Broth.
Dist.: SA8, SA9.
Ref.: Buck & Ireland 1985, Yano 1989.

Entodontopsis contorte-operculata (C. Müll.) Broth.
Syn.: *Stereophyllum contorte-operculatum* (C. Müll.) Mitt.
Dist.: CA1, CA6.
Ref.: Buck & Ireland 1985.

Entodontopsis leucostega (Brid.) Buck & Irel.
Syn.: *Stereophyllum leucostegum* (Brid.) Mitt.
Dist.: NA4b, NA5, CA1, CA3, CA5, CA6, CA7, SA0, SA2, SA3, SA6, SA8, SA9, SA11, WIa1, WIa3, WIa4, WIa5, WIb, Africa, India.
Alt.: 0–1000 m.
Ref.: Buck & Ireland 1985, Crosby 1969b.

Entodontopsis mexicana (Williams) Buck & Irel.
Syn.: *Stereophyllum mexicanum* Williams
Dist.: NA5, CA3.
Ref.: Buck & Ireland 1985.

Entodontopsis nitens (Mitt.) Buck & Irel.
Syn.: *Stereophyllum subobtusum* Ren. & Card.
Dist.: NA5, CA1, CA6, SA3, SA4, SA7, SA8, SA9, SA11, Africa, India.
Alt.: 0–1200 m.
Ref.: Buck & Ireland 1985, Yano 1989.

Entodontopsis panamensis (Bartr.) Buck & Irel.
Syn.: *Sterophyllum dicksonii* Norris
Dist.: NA5, CA7.
Ref.: Buck & Ireland 1985, Crosby 1969b.

Entodontopsis papillifera (Mitt.) Buck & Irel.
Syn.: *Stereophyllum papilliferum* Mitt.
Dist.: SA2, SA6.
Ref.: Buck & Ireland 1985, Steere 1948.

Entodontopsis radicalis (Spruce ex Jaeg.) Buck
Syn.: *Eriodon radicalis* Spruce
Dist.: CA6, SA6, SA7, SA8.
Alt.: 2000–2134 m.
Ref.: Buck & Ireland 1985, Steere 1948.

Entodontopsis rhabdodonta Card.
Syn.: *Stereophyllum rhabdodonta* (Card.) Grout
Dist.: NA5, SA4, WIa4.
Ref.: Buck & Ireland 1985.

Entosthodon acaulis (Hampe) Fife
Syn.: *Entosthodon steerei* Fife
Dist.: SA2, SA6, Australia, New Caledonia, New Zealand.
Alt.: 2100–3300 m.
Ref.: Fife 1984, 1987.

Entosthodon americanus (Lindb. ex Sull.) Fife
Syn.: *Funaria americana* Lindb. ex Sull.
Dist.: NA4, NA5.
Ref.: Fife 1985.

Entosthodon apiculatopilosus (Card.) Fife
Syn.: *Funaria apiculatopilosa* Card.
Dist.: NA4b, NA5.
Ref.: Fife 1985.

Entosthodon attenuatus (Dicks.) Bryhn
Syn.: *Funaria templetonii* Sm.
Dist.: NA4a, WIa2, WIa4, Africa, Europe.
Alt.: 2200 m.
Ref.: Fife 1987.

Entosthodon balansae Besch.
Dist.: SA11.
Ref.: Buck 1985a.

Entosthodon bolanderi Lesq.
Dist.: NA4a, NA5.
Ref.: Grout 1935.

Entosthodon bonplandii (Hook.) Mitt.
Syn.: *Funaria bonplandii* (Hook.) Broth.
Dist.: NA5, CA1, CA6, SA0, SA2, SA3, SA6, SA7, SA8, SA9, SA11, WIa1, WIa2, WIa3, WIa4, WIa5, WIb, Is G.
Alt.: 550–3965 m.
Ref.: Fife 1987, Buck & Steere 1983.

Entosthodon jamesonii (Tayl.) Mitt.
Syn.: *Entosthodon acidotus* (Tayl.) C. Müll.
Dist.: NA5, CA1, CA6, SA0, SA2, SA6, SA7, SA8, WIa4.
Alt.: 1500–4650 m.
Ref.: Fife 1987, Buck & Steere 1983.

Entosthodon laevis (Mitt.) Fife
Syn.: *Funaria lorentzii* C. Müll.
Dist.: SA6, SA7, SA8, SA10, SA12.
Alt.: 200–4270 m.
Ref.: Fife 1987, Menzel 1992.

Entosthodon laxus (Wils. & Hook. f.) Mitt.
Syn.: *Entosthodon fontanus* Herz.
Dist.: SA2, SA6, SA7, SA8, SA10, Australia, New Zealand.
Alt.: 2980–4500 m.
Ref.: Fife 1986, 1987, Deguchi 1991.

Entosthodon lindigii (Hampe) Mitt.
Syn.: *Entosthodon papillosus* Britt.
Dist.: NA5, CA1, SA0, SA2, SA6, SA7, SA8.
Alt.: 2690–4200 m.
Ref.: Fife 1987, Hegewald & Hegewald 1985.

Entosthodon mathewsii Hook. f. in Hook.
Syn.: *Entosthodon latifolius* Hook. f. in Hook.
Dist.: SA6, SA7.
Alt.: 500–3350 m.
Ref.: Fife 1987, Hegewald & Hegewald 1985.

Entosthodon muhlenbergii (Turn.) Fife
Syn.: *Funaria muhlenbergii* Turn.
Dist.: NA, NA5, Europe.
Alt.: 1829–2438 m.
Ref.: Fife 1985.

Entosthodon obtusatus (Schimp. ex C. Müll.) Fife
Syn.: *Funaria obtusata* Schimp. ex C. Müll.
Dist.: NA5, CA1, CA4.
Alt.: 305–2133 m.
Ref.: Fife 1987.

Entosthodon obtusifolius Hook. f. in Hook.
Syn.: *Entosthodon longicollis* Mitt.
Dist.: NA5, CA1, CA6, SA0, SA2, SA6, SA7, SA8, SA9, SA10, SA12, WIa2, Is G.
Alt.: 600–4400 m.
Ref.: Fife 1986, 1987, Churchill 1991a

Entosthodon paraguensis (Broth.) Buck
Dist.: SA11.
Ref.: Buck 1985a.

Entosthodon sonorae (Card.) Steere
Syn.: *Funaria sonorae* Card.
Dist.: NA4a, NA5.
Ref.: Crum 1951.

Eobruchia bruchioides (C. Müll.) Buck
Syn.: *Campylostelium bruchioides* (C. Müll.) Broth.
Dist.: SA9.
Alt.: 2430 m.
Ref.: Buck 1979, Schäfer-Verwimp 1992.

Eobruchia ecuatoriana Steere
Dist.: SA6.
Alt.: 4200 m.
Ref.: Steere 1982.

Ephemerum aequinoctiale Spruce in Mitt.
Dist.: SA9.
Ref.: Yano 1981.

Ephemerum argentinicum Schiavone & Sarmiento
Dist.: SA12.
Ref.: Schiavone & Sarmiento 1985.

Ephemerum conicum C. Müll.
Dist.: SA11, SA12.
Ref.: Schiavone & Sarmiento 1985.

Ephemerum homomallum C. Müll.
Dist.: SA11.
Ref.: Schiavone & Sarmiento 1985.

Ephemerum ligulatum C. Müll.
Dist.: SA11.
Ref.: Buck 1985a.

Ephemerum pachyneuron C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Ephemerum spinulosum Bruch & Schimp.
Dist.: NA3, NA4b, SA9, WIa1.
Alt.: 120 m.
Ref.: Schäfer-Verwimp 1992.

Ephemerum uleanum C. Müll.
Dist.: SA9.
Ref.: Schiavone & Sarmiento 1985.

Epipterygium brasiliense Bartr.
Dist.: SA9.
Ref.: Yano 1981.

Epipterygium immarginatum Mitt.
Syn.: *Epipterygium lepidopiloides* (C. Müll.) Par.
Dist.: NA5, CA6, SA0, SA6, SA7, SA8.
Alt.: 1000–3353 m.
Ref.: Shaw 1984, Hegewald & Hegewald 1985.

Epipterygium mandonii (C. Müll.) Par.
Dist.: SA8.
Ref.: Hermann 1976.

Epipterygium mexicanum (Besch.) Broth.
Dist.: NA5, CA1, CA4.
Alt.: 1524–3658 m.
Ref.: Shaw 1984.

Epipterygium puiggarii (Geh. & Hampe) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Epipterygium wrightii (Sull.) Lindb.
Dist.: SA2, SA7, WIa1, WIa2, WIa3, WIa4, WIa5, WIb.
Alt.: 324–2100 m.
Ref.: Shaw 1984, Buck & Steere 1983.

Eriopus flexicaulis (Hampe) Par.
Dist.: SA9.
Ref.: Yano 1981.

Eriopus lorifolius (Hampe) Par.
Dist.: SA9.
Ref.: Yano 1981.

Eriopus mniadelphus Spruce ex Mitt.
Dist.: SA6.
Ref.: Steere 1948.

Eriopus monilodontius (Hampe) Par.
Syn.: *Lepidopilum monilodontium* Hampe
Dist.: SA9.
Ref.: Yano 1989.

Eriopus papillatus Herz.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Ref.: Hermann 1976.

Erpodium acrifolium Pursell
Dist.: NA4, NA5.
Alt.: 152 m.
Ref.: Crum 1972, Pursell 1966a.

Erpodium beccarii C. Müll. ex Vent.
Dist.: *Erpodium opuntiae* Card.
Dist.: NA5, SA8, SA9, SA11, SA12, Africa.
Ref.: Crum 1972, Yano 1989, Kis 1985.

Erpodium biseriatum (Aust.) Aust.
Dist.: NA4b, NA5, SA2, SA9, SA11, WIa1, WIa4, Africa, Australia, India, Java, Taiwan, Thailand.
Alt.: 0–3353 m.
Ref.: Crum 1972, Buck & Steere 1983.

Erpodium coronatum (Hook. & Wils.) Mitt.
Dist.: NA5, CA1, CA5, SA0, SA2, SA5, SA6, SA8, SA9, SA11, SA12, Africa, Cameroon.
Alt.: 91–1524 m.
Ref.: Crum 1972, Steere 1948, Pursell 1966a.

Erpodium domingense (Spreng.) C. Müll.
Syn.: *Erpodium cubense* Britt.
Dist.: NA4b, NA5, CA1, CA7, WIa1, WIa2, WIa3, WIa4, WIa5, Is G.
Alt.: 0–624 m.
Ref.: Crum 1972, Buck & Steere 1983.

Erpodium glaziovii Hampe
Dist.: NA5, SA8, SA9, SA11, WIa4.
Alt.: 0–610 m.
Ref.: Crum 1972, Buck & Steere 1983.

Erpodium pringlei Britt.
Dist.: NA5, CA1, CA3, SA9, WIa1, WIa4.
Alt.: 10–350 m.
Ref.: Crum 1972, Buck & Steere 1983.

Erythrodontium argentinicum (C. Müll.) Par.
Dist.: SA12.
Ref.: Buck 1980b.

Erythrodontium julaceum (Schwaegr.) Par.
Dist.: SA9, Asia.
Ref.: Buck 1980b, Yano 1989.

Erythrodontium longisetum (Hook.) Par.
Syn.: *Erythrodontium brasiliense* (Hampe) Par.
Dist.: NA5, CA1, CA2, CA3, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, SA11, WIa3, WIa4.
Alt.: 1150–2134 m.
Ref.: Buck 1980b, Buck & Steere 1983.

Erythrodontium platygyrioides (C. Müll.) Fleisch.
Dist.: SA7, SA12.
Alt.: 1850 m.
Ref.: Buck 1980b, Menzel 1992.

Erythrodontium squarrosum (C. Müll.) Par.
Syn.: *Erythrodontium consanguineum* (Hampe) Par.
Dist.: NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, SA11, WIa1.
Alt.: 450–2800 m.
Ref.: Buck 1980b, Crosby 1969b, Duarte n.d.

Erythrodontium warningii Hampe
Dist.: SA9.
Ref.: Buck 1980b.

Erythrophyllopsis andina (Sull.) Zand.
Dist.: SA0, SA7, SA8.
Alt.: 3050–4550 m.
Ref.: Zander 1977a, Churchill 1989.

Erythrophyllopsis challaensis (Broth.) Hilp.
Dist.: SA8.
Ref.: Hermann 1976.

Erythrophyllopsis fuscula (C. Müll.) Hilp.
Dist.: southern SA, SA8.
Ref.: Hermann 1976.

Eucamptodontopsis brittonae (Bartr.) Allen
Syn.: *Dicranoloma brittonae* Bartr.
Dist.: CA6, CA7, SA3.
Alt.: 550–2400 m.
Ref.: Gradstein & Florschütz-de Waard 1989.

Eucamptodontopsis pilifera (Mitt.) Broth.
Dist.: SA2, SA3, SA4, SA9, WIa1, WIb, Oceania.
Alt.: 700–1000 m.
Ref.: Gradstein & Florschütz-de Waard 1989.

Eucamptodontopsis tortuosa Robins.
Dist.: SA2, SA3.
Alt.: 1650 m.
Ref.: Buck 1990a, Pursell 1973.

Eucladium verticillatum (Brid.) B.S.G.
Dist.: NA, NA5, CA, WIa3, WIa4, Africa, Asia, Europe.
Ref.: Zander 1977b, Buck & Steere 1983.

Eulacophyllum cultelliforme (Sull.) Buck & Irel.
Syn.: *Stereophyllum cultelliforme* (Sull.) Mitt.
Dist.: NA5, CA6, SA0, SA2, SA7, SA8, SA9, WIa1, WIa3, WIa4, WIa5.
Alt.: 450–1000 m.
Ref.: Buck & Ireland 1985, Menzel 1992.

Eurhynchiella semitorta (Jaeg.) Broth.
Dist.: SA0, SA8.
Ref.: Hermann 1976, Churchill 1989.

Eurhynchiella toncolensis (Broth.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Eurhynchium asperipes (Mitt.) Dix.
Syn.: *Oxyrrhynchium remotifolium* (Grev.) Broth.
Dist.: SA0.
Ref.: Churchill 1989.

Eurhynchium pseudopiliferum (Hampe) Jaeg.
Dist.: SA0.
Ref.: Churchill 1989.

Eustichia brotheri Besch. ex Broth.
Syn.: *Diplostichum brotheri* (Broth.) C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Eustichia jamesonii (Tayl.) C. Müll.
Syn.: *Diplostichum spruceanum* C. Müll.
Dist.: NA5, CA1, CA6, SA2, SA8, WIa4.
Alt.: 1830–3048 m.
Ref.: Bowers 1974.

Eustichia longirostris (Brid.) Brid.
Syn.: *Diplostichum longirostre* (Brid.) Mont.
Dist.: CA6, SA0, SA6, SA10, WIa4, J Fdez, Africa.
Alt.: 2100–3658 m.
Ref.: Robinson 1975, Buck & Steere 1983.

Eustichia poeppigii (C. Müll.) Par.
Syn.: *Diplostichum poeppigii* Thér.
Dist.: SA9, SA10.
Ref.: Yano 1981.

Eustichia ulei (C. Müll.) Par.
Syn.: *Diplostichum ulei* C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Fabronia ciliaris (Brid.) Brid. var. *ciliaris*
Dist.: NA4, NA5, CA, SA8, SA10, SA12, Australia, Europe, Japan, New Zealand.
Ref.: Buck 1983b, Deguchi 1991.

Fabronia ciliaris (Brid.) Brid. var. *polycarpa* (Hook.) Buck
Dist.: NA4b, NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA7, SA8, SA9, SA10, SA11, SA12, SA13, WIa2, WIa3, WIa4, WIa5, Is G.
Alt.: 500–2100 m.
Ref.: Gradstein & Weber 1982, Yano 1989.

Fabronia ciliaris (Brid.) Brid. var. *wrightii* (Sull.) Buck
Dist.: NA4a, NA4b, NA5, CA1, CA3, CA6, SA2, SA6, SA7, SA8, SA10, WIa1, WIa2, WIa4.
Alt.: 1800–3000 m.
Ref.: Buck & Steere 1983, Bizot 1973.

Fabronia jamesonii Tayl.
Dist.: SA0, SA6, SA7, SA8, SA10, SA12, SA13, J Fdez.
Alt.: 2000–4100 m.
Ref.: Buck 1983b, Hegewald & Hegewald 1985.

Fabronia macroblepharis Schwaegr.
Dist.: NA5, CA, SA9, WIa2, WIa3, WIa4.
Ref.: Buck 1983b, Buck & Steere 1983.

Fabronia pusilla Raddi
Dist.: NA4a, NA5, Africa, Europe.
Ref.: Crum 1951.

Fabronidium guatemaliense (C. Müll.) Buck
Syn.: *Schwetschkea guatemaliensis* C. Müll.
Dist.: CA1.
Ref.: Bartram 1949, Buck 1981b.

Felipponea montevidensis (C. Müll.) Broth.
Dist.: southern SA, SA8, SA9.
Ref.: Yano 1981, Hermann 1976.

Fissidens abruptus (Broth.) Broth. ex Pursell
Syn.: *Moenkemeyera abrupta* Broth.
Dist.: SA9, SA11.
Ref.: Pursell 1979, Buck 1985a.

Fissidens adianthoides Hedw.
Dist.: NA, SA9, Africa, Europe.
Ref.: Pursell 1986, Yano 1989.

Fissidens allenianus Brugg.-Nann. & Pursell
Dist.: NA4b, NA5, CA1, CA2, Bahamas, WIa1, WIa2, WIa5.
Alt.: 0–600 m.
Ref.: Bruggeman-Nannenga & Pursell 1990.

Fissidens allionii Broth.
Dist.: CA7, SA0, SA3, SA6, SA7, SA9.
Alt.: 1000–1200 m.
Ref.: Pursell & Allen 1991, Steere 1948.

Fissidens alticaulis Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens altolimbatus Broth.
Dist.: SA6.
Alt.: 1000–1200 m.
Ref.: Steere 1948.

Fissidens amazonicus Pursell
Dist.: SA9.
Ref.: Pursell 1988.

Fissidens amboroicus Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Fissidens amoenus C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.

Fissidens angustelimbatus Mitt.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens angustifolius Sull.
Dist.: NA5, CA1, CA2, CA3, CA7, SA0, SA2, SA7, SA9, WIa3, WIa4, WIa5, WIb.
Alt.: 0–2000 m.
Ref.: Pursell 1979, Buck & Steere 1983.

Fissidens antennidens C. Müll. ex Broth.
Dist.: SA9.
Ref.: Yano 1981.
Fissidens apiahyensis Besch. & Geh.
Dist.: SA9.
Ref.: Yano 1981.
Fissidens aporrocheilos C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.
Fissidens asplenioides Hedw.
Syn.: *Fissidens lingulatus* C. Müll.
Dist.: NA4b, NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, WIa1, WIa3, WIa4, WIa5, Is G, J Fdez, Africa.
Alt.: 900–3000 m.
Ref.: Pursell 1986, Gradstein & Weber 1982.
Fissidens assimilis (Hampe) Par.
Dist.: SA9.
Ref.: Yano 1981.
Fissidens austro-americanus Pursell & Reese
Dist.: SA4, SA5, SA9.
Ref.: Pursell & Reese 1985, Yano 1989.
Fissidens balanseanus Besch.
Dist.: SA11.
Ref.: Buck 1985a.
Fissidens berterii (Mont.) C. Müll.
Dist.: SA7, SA9, SA10, SA12, SA13, Australia, New Zealand.
Alt.: 800–1000 m.
Ref.: Pursell 1987, Yano 1989.
Fissidens biareolatus (C. Müll.) Broth.
Dist.: SA2.
Ref.: Pursell 1973.
Fissidens bockii Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Fissidens bourgaeanus Besch.
Syn.: *Fissidens incrassatolimbatus* Card.
Dist.: NA5, CA1, CA3, WIa2, WIa4.
Alt.: 1100–1950 m.
Ref.: Buck & Steere 1983, Winkler 1965.
Fissidens brachypus Mitt.
Dist.: SA2, SA9.
Ref.: Buck & Pursell 1980, Pursell 1973.
Fissidens brevipes Besch.
Dist.: SA9, SA11.
Ref.: Pursell & Vital 1986, Yano 1989.
Fissidens brunneolus (C. Müll.) Broth.
Dist.: SA7, SA9.
Ref.: Yano 1989, Menzel 1992.
Fissidens bryoides Hedw.
Syn.: *Fissidens pusillus* (Wils.) Milde
Dist.: NA, NA5, Europe.
Alt.: 3000 m.
Ref.: Bruggeman-Nannenga 1982.
Fissidens bryoides Hedw. var. *longifolius* (Brid.) Hampe
Syn.: *Fissidens longifolius* Brid.
Dist.: CA6.
Ref.: Bowers 1974.
Fissidens caespitulosus C. Müll. ex Broth.
Dist.: SA9.
Ref.: Yano 1981.
Fissidens caldensis Ångstr.
Dist.: SA9.
Ref.: Yano 1981.
Fissidens camptodontius Kindb.
Dist.: SA0.
Ref.: Florschütz-de Waard & Florschütz 1979.
Fissidens camptothecius Besch.
Dist.: SA9.
Ref.: Yano 1981.
Fissidens capillisetoides Brugg.-Nann.
Dist.: SA9.
Ref.: Bruggeman-Nannenga 1973.
Fissidens capillisetus Broth.
Dist.: SA9.
Ref.: Bruggeman-Nannenga 1973.
Fissidens caripensis (Hampe & C. Müll.) Par.
Dist.: SA2.
Ref.: Pursell 1973.
Fissidens catumbensis Broth.
Dist.: SA9.
Ref.: Yano 1981.
Fissidens celatocognatus Pursell & Brugg.-Nann.
Dist.: NA5, WIa5.
Ref.: Pursell & Bruggeman-Nannenga 1991. Sastre & Buck ms.
Fissidens circinatulus Besch.
Dist.: SA9, Africa.
Ref.: Yano 1981.
Fissidens commutatus (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Fissidens constrictus C. Müll.
Dist.: SA7, SA9.
Alt.: 500 m.
Ref.: Vital, Giancotti & Pursell 1991.
Fissidens crenatulus C. Müll.
Dist.: SA9.
Ref.: Bruggeman-Nannenga 1973.

Fissidens crispo-falcatulus Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens crispus Mont.
Syn.: *Fissidens repandus* Wils.
Dist.: NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, WIa4, WIa5, Is G.
Alt.: 150–4300 m.
Ref.: Florschütz-de Waard & Florschütz 1979, Sharp, Crum & Eckel 1994, Steere 1948, Menzel 1992.

Fissidens curvatus Hornsch.
Syn.: *Fissidens milobakeri* L. F. Koch
Dist.: NA4a, NA5, SA7, SA9, SA10, SA12, WIa3, WIa4, Africa, Australia, New Caledonia, New Zealand.
Alt.: 2000–3200 m.
Ref.: Pursell 1979, Sharp, Crum & Eckel 1994.

Fissidens cylindraceus Mitt.
Dist.: CA, SA0, SA6, WI.
Alt.: 914 m.
Ref.: Steere 1948, Pursell 1984.

Fissidens cylindrothecus Pursell & Aguirre
Dist.: SA0.
Alt.: 50 m.
Ref.: Pursell & Aguirre 1991.

Fissidens dendrophilus Brugg.-Nann. & Pursell
Dist.: SA9.
Alt.: 40 m.
Ref.: Bruggeman-Nannenga & Pursell 1990.

Fissidens densiretis Sull.
Dist.: WIa1, WIa3, WIa5, WIb.
Ref.: Crum & Steere 1957, Sloover 1983.

Fissidens diplodus Mitt.
Syn.: *Fissidens muriculatus* Spruce
Dist.: NA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA9, WIa1, WIa5, WIb.
Alt.: 1000–2500 m.
Ref.: Bowers, Sharp & Robinson 1973, Pursell 1980.

Fissidens dissitifolius Sull.
Dist.: NA5, CA1, CA3, CA7, SA0, SA7, SA9, WIa1, WIa2, WIa3, WIa4, WIa5.
Alt.: 0–2270 m.
Ref.: Buck & Steere 1983, Winkler 1965.

Fissidens divisus Hampe
Dist.: SA0.
Ref.: Florschütz-de Waard & Florschütz 1979.

Fissidens dubius P. Beauv.
Syn.: *Fissidens cristatus* Wils.
Dist.: NA4a, NA5, CA1, WIa3, WIa4, Asia, Europe.
Alt.: 2300 m.
Ref.: Buck & Steere 1983, Crosby 1971b.

Fissidens duryae Biz.
Dist.: WIa1.
Ref.: Bizot 1973.

Fissidens elachistophyllus (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens elegans Brid.
Syn.: *Fissidens cuspidulatus* Sull.
Dist.: NA4b, NA5, CA1, CA2, CA3, CA6, CA7, SA0, SA2, SA7, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb, Hawaii.
Alt.: 50–3000 m.
Ref.: Pursell & Hoe 1977, Pursell 1984, Pursell & Reese 1963.

Fissidens evanescens Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens excurrentinervis Williams
Dist.: NA5, SA7, SA8.
Alt.: 2000–4100 m.
Ref.: Pursell 1986, Hermann 1976.

Fissidens faucium C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens fendleri C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.

Fissidens filirameus Williams
Dist.: SA7.
Alt.: 2750 m.
Ref.: Menzel 1992.

Fissidens flavinervis Mitt.
Dist.: SA0, SA4, SA5, SA7, SA9.
Alt.: 500 m.
Ref.: Florschütz-de Waard 1990, Menzel 1992.

Fissidens flexinervis Mitt.
Dist.: SA0, SA4, WIa4.
Ref.: Florschütz-de Waard 1990.

Fissidens florschuetzii Pursell
Dist.: SA0.
Ref.: Pursell 1985b, Churchill 1989.

Fissidens fontanus (B.-Pyl.) Steud.
Syn.: *Octodiceras mexicana* (C. Müll.) Jaeg.
Dist.: NA3, NA4a, NA4b, NA5, CA1, SA9, WIa1, WIa4, Africa, Australia, Europe, New Zealand.
Alt.: 1200–1700 m.
Ref.: Pursell 1987, Buck & Steere 1983.

Fissidens fratris Par.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens gardneri Mitt.
Dist.: NA5, CA6, SA2, SA9, Africa, India, China, Thailand.
Alt.: 100–1200 m.
Ref.: Pursell 1984, Pursell & Vital 1986, Pursell, Bruggeman-Nannenga & Iwatsuki 1993.

Fissidens geheebii C. Müll.
Syn.: *Fissidens pseudoexilis* Thér.
Dist.: NA5, SA9, WIa5.
Alt.: 50–2000 m.
Ref.: Crum & Steere 1957, Sharp, Crum & Eckel 1994.

Fissidens geijkesii Florsch.-de Waard
Dist.: SA4.
Ref.: Florschütz-de Waard 1990.

Fissidens generalium (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens giraldii Broth.
Dist.: SA9, Asia.
Ref.: Yano 1989.

Fissidens glaucifrons Besch.
Dist.: SA11.
Ref.: Buck 1985a.

Fissidens glaziovii (Hampe) Par.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens goebelii C. Müll.
Dist.: SA2.
Ref.: Bruggeman-Nannenga 1973.

Fissidens goyazensis Broth.
Syn.: *Fissidens veracruzensis* Pursell
Dist.: NA5, CA6, SA2, SA9, Curacao.
Alt.: 30–600 m.
Ref.: Pursell 1966b, Pursell & Crusco 1978, Yano 1981.

Fissidens grandifrons Brid.
Syn.: *Fissidens insignis* Schimp.
Dist.: NA, NA5, CA1, Africa, Asia, Europe
Alt.: 0–2250 m.
Ref.: Crum 1951.

Fissidens grandiretis Ren. & Card.
Dist.: SA9, Madagascar.
Ref.: Yano 1989.

Fissidens granulatus (Geh. & Hampe) Par.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens guarani Buck
Dist.: SA11.
Ref.: Buck 1985a.

Fissidens guarapiensis Besch.
Dist.: SA11.
Ref.: Buck 1985a.

Fissidens guianensis Mont.
Dist.: CA7, SA0, SA3, SA4, SA5, SA7, SA9, WIa4, WIa5, Is G.
Alt.: 900 m.
Ref.: Pursell 1984, Florschütz-de Waard 1990.

Fissidens hampeanus Besch. & Geh.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens hancockianus Steere
Dist.: SA0.
Ref.: Florschütz-de Waard & Florschütz 1979.

Fissidens hemibryoides C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens hornschuchii Mont.
Dist.: SA9, SA11, WIa5, WIb.
Ref.: Pursell 1989, Sastre & Buck ms.

Fissidens hyalinus Hook. & Wils.
Dist.: NA4b, NA5, SA7, WIa1, India, Japan, Taiwan.
Alt.: 100 m.
Ref.: Pursell 1986.

Fissidens hydropogon Spruce ex Mitt.
Dist.: SA6.
Alt.: 450 m.
Ref.: Pursell et al. 1988, Steere 1948.

Fissidens imbricatus Britt. & Bartr.
Dist.: WIa1, WI.
Ref.: Duarte n.d.

Fissidens inaequalis Mitt.
Dist.: SA2, SA3, SA4, SA9, WIa1, WIa4, WIa5.
Ref.: Florschütz-de Waard 1990, Duarte n.d.

Fissidens incacorralis Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Fissidens incisus Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Fissidens inclinis C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.

Fissidens innovans Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Fissidens intermedius C. Müll.
Dist.: NA5, CA7, SA0, SA2, SA3, SA4, SA5, SA9, WIa1, WIa5, Is G, Hawaii.
Alt.: 50 m.
Ref.: Pursell & Hoe 1977, Duarte n.d.

Fissidens intramarginatus (Hampe) Mitt.
Syn.: *Fissidens willisiae* Bartr.
Dist.: NA5, CA6, CA7, SA0, SA2, SA4, SA7, SA9, WIa5.
Alt.: 400–600 m.
Ref.: Pursell 1984, Florschütz-de Waard 1990.

Fissidens jaliscensis Pursell
Dist.: NA5.
Alt.: 1300 m.
Ref.: Pursell 1986.

Fissidens juruensis Grout var. *juruensis*
Syn.: *Fissidens brittonii* Grout
Dist.: NA5, WIa1.
Ref.: Pursell 1979, Sharp, Crum & Eckel 1994.

Fissidens juruensis Grout var. *percurrens* (Grout) Pursell
Syn.: *Fissidens brittonii* Grout var. *percurrens* Grout
Dist.: NA5, CA2.
Alt.: 15 m.
Ref.: Pursell & Allen 1991.

Fissidens laxereticulatus Besch. & Geh.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens leptophyllus Mont.
Dist.: SA3, SA4, SA5, SA9.
Ref.: Pursell 1989, Florschütz-de Waard 1990.

Fissidens leucopteris Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens limbatus Sull.
Dist.: NA4a, NA5.
Alt.: 1000 m.
Ref.: Crum 1951.

Fissidens lindigii (Hampe) Mitt.
Dist.: SA0.
Ref.: Florschütz-de Waard & Florschütz 1979.

Fissidens longicaulis Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens longifalcatus C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens longipedicellatus C. Müll. ex Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens luteolimbatus Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens luteoviridis Lindb. ex Ångstr.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens macroblastus Williams
Dist.: SA8.
Ref.: Hermann 1976.

Fissidens macrophyllus Mitt.
Dist.: SA6, SA7, SA8, SA9, WIb.
Alt.: 390 m.
Ref.: Crosby 1970a, Steere 1948.

Fissidens mararyensis Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens marmellensis Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens mateoënsis Broth. in Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Fissidens megacistis Pursell
Dist.: NA5.
Ref.: Pursell 1986.

Fissidens michoacanus Thér.
Syn.: *Fissidens brouardii* Thér.
Dist.: NA5, WIa5.
Ref.: Pursell 1984, Crum & Steere 1957.

Fissidens micropyxis Broth.
Dist.: SA0, SA9.
Alt.: 200 m.
Ref.: Churchill 1991b, Yano 1989.

Fissidens minutipes (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens minutissimus Besch. & Geh.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens minutus Thwaites & Mitt. var. *minutus*
Syn.: *Fissidens garberi* Lesq. & James
Dist.: NA4b, NA5, CA2, CA6, CA7, SA0, SA2, SA4, SA7, SA8, SA9, WIa2, WIa3, WIa4, WIa5, Is G, Africa, China, India, Japan, Nepal, Philippines.
Alt.: 0–1300 m.
Ref.: Pursell 1984, Pursell, Bruggeman-Nannenga & Iwatsuki 1993, Florschütz-de Waard 1990.

Fissidens minutus Thwaites & Mitt. var. *pusillissimus* (Steere) Pursell
Syn.: *Fissidens pusillissimus* Steere
Dist.: NA5, CA2, SA9, WIa4.
Alt.: 200 m.
Ref.: Pursell 1984, Sharp, Crum & Eckel 1994, Steere 1937.

Fissidens mollis Mitt.
Syn.: *Fissidens bryodictyon* Besch.
Dist.: NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA4, SA7, SA9, SA11, WIa1, WIa3, WIa4, WIa5, WIb.
Alt.: 100–2800 m.
Ref.: Florschütz-de Waard 1990, Yano 1989.

Fissidens moritzianus C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.

Fissidens nanoloma C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens neglectus Crum
Dist.: NA5, CA7, SA0, SA2, SA4, SA9, WIa1, WIa2, WIa4, WIa5, Cocos Island.
Alt.: 700–900 m.
Ref.: Pursell 1984, Florschütz-de Waard 1990.

Fissidens obscurocostatus Pursell
Dist.: NA5.
Ref.: Pursell 1966b.

Fissidens obtusatulus (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens obtusatus Hampe
Dist.: SA9.
Ref.: Yano 1981.

Fissidens obtusissimus (Florsch.-de Waard) Pursell
Dist.: SA4, SA5.
Ref.: Pursell 1989.

Fissidens occultus Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens oediloma C. Müll. ex Broth.
Dist.: CA1, CA6, SA9.
Ref.: Bruggeman-Nannenga 1973, 1979.

Fissidens oligophyllus C. Müll.
Dist.: SA7, SA8.
Alt.: 2750 m.
Ref.: Menzel 1992, Hermann 1976.

Fissidens opacus C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens ornatus Herz.
Dist.: CA7, SA0, SA2, SA9, WIa5, WIb.
Alt.: 200–1800 m.
Ref.: Pursell & Allen 1991, Yano 1989.

Fissidens ovicarpus Broth.
Dist.: SA7.
Alt.: 2100 m.
Ref.: Menzel 1992.

Fissidens palmatus Hedw.
Dist.: WIa1, WIa2.
Ref.: Pursell 1986, Duarte n.d.

Fissidens panamensis Pursell & Allen
Dist.: CA7.
Alt.: 0 m.
Ref.: Pursell & Allen 1991.

Fissidens papilliferus Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens papillosus Lac.
Syn.: *Fissidens buckii* Pursell
Dist.: NA5, CA1, CA2, CA3, SA0, SA2, SA3, SA7, SA9, WIa1, WIa3, WIa4, WIa5.
Alt.: 500–2750 m.
Ref.: Gradstein & Florschütz-de Waard 1989, Pursell 1985a, Pursell, Bruggeman-Nannenga & Iwatsuki 1992, Buck & Steere 1983.

Fissidens paraguensis Broth.
Dist.: SA11.
Ref.: Buck 1985a.
Fissidens pauper Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Fissidens pauperculus Howe var. *pauperculus*
Dist.: SA4.
Ref.: Florschütz-de Waard 1990.
Fissidens pauperculus Howe var. *surinamensis* Florsch.-de Waard
Dist.: SA4, SA5.
Ref.: Florschütz-de Waard 1990.
Fissidens pellucidus Hornsch.
Syn.: *Fissidens subcrenatus* Schimp.
Dist.: NA4b, NA5, CA1, CA5, CA6, CA7, SA0, SA9, WIa4, WIa5.
Alt.: 2100 m.
Ref.: Buck & Steere 1983, Bourell 1992.
Fissidens pennula Broth.
Syn.: *Fissidens mattogrossensis* Broth.
Dist.: SA0, SA2, SA4, SA9.
Ref.: Bruggeman-Nannenga 1973.
Fissidens perexilis Broth.
Dist.: SA9.
Ref.: Yano 1981.
Fissidens perfalcatus Broth.
Dist.: SA9.
Ref.: Yano 1981.
Fissidens perminutus Broth.
Dist.: SA9.
Ref.: Yano 1981.
Fissidens perpygmaeus (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Fissidens perramosus Broth.
Dist.: SA9.
Ref.: Yano 1981.
Fissidens peruvianus Hampe ex C. Müll.
Dist.: SA7.
Ref.: Menzel 1992.
Fissidens petrophilus Sull.
Dist.: WIa1, WIa5.
Ref.: Duarte n.d., Sastre & Buck ms.
Fissidens platyphyllus Broth.
Syn.: *Fissidens tamaulipasensis* Pursell
Dist.: NA5, CA6, SA6, SA9.
Ref.: Pursell 1986, Sharp, Crum & Eckel 1994, Yano 1981.

Fissidens polypodioides Hedw.
Dist.: NA4b, NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA6, WIa1, WIa3, WIa4, WIa5.
Alt.: 1200–2300 m.
Ref.: Pursell 1986, Buck & Steere 1983.
Fissidens prionodes Mont.
Syn.: *Fissidens flexinervis* Mitt.
Dist.: CA6, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIa1, WIb.
Alt.: 500–2800 m.
Ref.: Florschütz-de Waard & Florschütz 1979.
Fissidens protracticaulis Broth.
Dist.: SA9.
Ref.: Yano 1981.
Fissidens pseudoincurvatus C. Müll. ex Broth.
Dist.: SA9.
Ref.: Yano 1981.
Fissidens pseudostipitatus C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Fissidens puiggarii (Geh. & Hampe) Par.
Dist.: SA9.
Ref.: Yano 1981.
Fissidens quisqueyanus Pursell
Dist.: WIa4.
Ref.: Pursell 1985a.
Fissidens radicans Mont.
Dist.: NA5, CA1, CA2, CA3, CA7, SA2, SA3, SA4, SA5, SA9, WIa1, WIa2, WIa4, WIb.
Alt.: 0–750 m.
Ref.: Bruggeman-Nannenga & Pursell 1990.
Fissidens ramicola Broth.
Syn.: *Fissidens pseudo-microcladus* Pursell
Dist.: NA5, SA4, SA6, SA9.
Alt.: 500 m.
Ref.: Pursell & Vital 1986, Pursell 1984.
Fissidens ravenellii Sull.
Dist.: NA4b, SA4, SA5, WIa4, WIa5
Ref.: Florschütz-de Waard 1990.
Fissidens reesei Crum & Anderson
Dist.: SA7, SA9.
Ref.: Menzel 1992, Yano 1989.
Fissidens reticulosus (C. Müll.) Mitt.
Syn.: *Conomitrium reticulosum* C. Müll.
Dist.: NA5, CA1, CA3, CA7, SA0, SA2, SA4, SA9, WIa1, WIa5, Is G.
Alt.: 30–1500 m.
Ref.: Florschütz-de Waard 1990, Bartram 1949.

Fissidens rigidulus Hook. f. & Wils.
Syn.: *Fissidens steyermarkii* Bartr. in Grout
Dist.: NA5, CA1, CA6, SA0, SA6, SA7, SA8, SA9, SA10, SA12, SA14, J Fdez, Australia, New Guinea, New Zealand, Solomon Islands.
Alt.: 1600–4430 m.
Ref.: Bruggeman-Nannenga 1979, Pursell 1979, Robinson 1975.

Fissidens rochensis Broth.
Dist.: WIa2, WIa4, WIa5, WIb.
Ref.: Bruggeman-Nannenga 1974.

Fissidens rubiginosulus Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens rufinervis C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens rutenbergii Par.
Dist.: SA9, Africa.
Ref.: Yano 1989.

Fissidens saltograndensis Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens sanctae-crucis Broth. in Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Fissidens saprophilus Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens scalaris Mitt.
Dist.: NA5, SA6, SA7, SA10, Australia.
Alt.: 2750 m.
Ref.: Steere 1948, Menzel 1992.

Fissidens scariosus Mitt.
Dist.: NA5, CA7, SA2, SA3, SA4, SA5, SA6, SA7, SA9.
Alt.: 500–1700 m.
Ref.: Pursell 1986, Florschütz-de Waard 1990.

Fissidens schwackeanus Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens secundulus C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.

Fissidens sehnemii Bartr.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens semicompletus Hedw.
Syn.: *Fissidens burelae* Herz.
Dist.: SA8, SA9, SA10, SA11, SA12, SA13.
Ref.: Pursell 1987, Yano 1989.

Fissidens semimarginatus C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.

Fissidens serrulatus Brid.
Dist.: SA9, Europe.
Ref.: Yano 1989.

Fissidens sharpii Pursell
Dist.: NA5, CA7, SA0, SA9, WIa5, Curacao.
Alt.: 0–800 m.
Ref.: Pursell 1986, Yano 1989.

Fissidens similiretis Sull.
Dist.: NA5, CA1, CA3, SA3, SA4, SA5, WIa1, WIa4, WIa5.
Alt.: 0–1940 m.
Ref.: Florschütz-de Waard 1990.

Fissidens smaragdinus (Lor. & C. Müll.) Broth.
Dist.: SA12.
Ref.: Bruggeman-Nannenga 1973.

Fissidens spliitgerberianus Dozy & Molk.
Dist.: SA4, SA9.
Ref.: Yano 1989.

Fissidens spurio-limbatus Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens steerei Grout
Dist.: NA5, CA1, CA3, CA4, CA7, SA2, WIa4, WIa5.
Alt.: 30–1070 m.
Ref.: Pursell 1979, Buck & Steere 1983.

Fissidens stenophyllus Ångstr.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens stenopteryx Besch.
Dist.: WIa5, WIb.
Alt.: 300 m.
Ref.: Crum & Steere 1957.

Fissidens stissotheca (C. Müll.) Mitt. var. *brevicostatus* Pursell, Brugg.-Nann. & Allen
Dist.: SA9
Alt.: 600 m.
Ref.: Pursell, Bruggeman-Nannenga & Allen 1988.

Fissidens stissotheca (C. Müll.) Mitt. var. *immersus* (Mitt.) Pursell, Brugg.-Nann. & Allen
Syn.: *Fissidens acutangulus* Broth.
Dist.: SA9.
Alt.: 200 m.
Ref.: Pursell et al. 1988.

Fissidens stissotheca (C. Müll.) Mitt. var. *stissotheca*
Dist.: SA9, SA12.
Ref.: Pursell et al. 1988.

Fissidens subbasilaris Hedw.
Dist.: NA4b, NA5.
Alt.: 1500 m.
Ref.: Pursell 1986.

Fissidens subcrispus Besch.
Dist.: SA11.
Ref.: Buck 1985a.

Fissidens subflexinervis Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens subinclinatulus C. Müll. ex Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens sublimbatus Grout
Dist.: NA4a, NA5.
Alt.: 800 m.
Ref.: Pursell 1986.

Fissidens submicropyxis Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens subnutans C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens subradicans Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens subramicola Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens substissotheca Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens subulatifolius (C. Müll.) Par.
Dist.: SA2.
Ref.: Pursell 1973.

Fissidens subulatus Mitt.
Dist.: CA7, SA0, SA3, SA9.
Alt.: 300–390 m.
Ref.: Pursell & Reese 1980, Yano 1989.

Fissidens taxifolius Hedw.
Dist.: NA5, CA1, WIa3, WIa4, Hawaii; subcosmopolitan.
Alt.: 1100–1500 m.
Ref.: Pursell 1986, Buck & Steere 1983.

Fissidens tejoensis Broth.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens tenuifolius Mitt.
Dist.: SA7.
Alt.: 1200 m.
Ref.: Menzel 1992.

Fissidens terebrifolius C. Müll.
Dist.: southern SA, SA8.
Ref.: Hermann 1976.

Fissidens termitarum (Herz.) Pursell
Syn.: *Moenkemeyera termitarum* Herz.
Dist.: SA8, SA9.
Ref.: Pursell 1979, Yano 1989.

Fissidens tocoraniensis Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Fissidens trachelyma (C. Müll.) Broth.
Dist.: SA2.
Ref.: Pursell 1973.

Fissidens uncinatus Ångstr.
Dist.: SA9.
Ref.: Yano 1981.

Fissidens validicostatus Sull. in C. Müll.
Dist.: SA2, WI.
Ref.: Pursell 1973.

Fissidens variabilis Brugg.-Nann.
Dist.: SA9.
Ref.: Bruggeman-Nannenga 1973.

Fissidens vitreolimbatus C. Müll.
Dist.: SA9, SA12.
Ref.: Yano 1981.

Fissidens wallisii C. Müll.
Dist.: NA5, SA0, SA2, SA8, SA9.
Alt.: 2000–2600 m.
Ref.: Florschütz-de Waard & Florschütz 1979.

Fissidens weirii Mitt. var. *hemicraspedophyllus* (Card.) Pursell
Syn.: *Fissidens hemicraspedophyllus* Card.
Dist.: NA5, CA6, SA0, SA2, SA6, SA9, WIa5.
Alt.: 1500–2100 m.
Ref.: Pursell 1984, Yano 1989.

Fissidens weirii Mitt. var. *incertus* Grout
Dist.: CA6, CA7, WIa5.
Ref.: Pursell 1984.
Fissidens weirii Mitt. var. *weirii*
Dist.: NA5, CA1, CA3, CA6, SA0, SA4, SA5, SA6, SA7, SA9, WIa1, WIa2, WIa4, WIa5, WIb, Is G.
Alt.: 170–2700 m.
Ref.: Florschütz-de Waard 1990, Crosby 1970a.
Fissidens widgrenii Par.
Dist.: SA9.
Ref.: Yano 1981.
Fissidens yucatanensis Steere
Dist.: NA5, SA2, WIa1, WIa3, WIa4, WIa5.
Ref.: Buck & Steere 1983, Duarte n.d.
Fissidens zollingeri Mont.
Syn.: *Fissidens kegelianus* C. Müll.
Dist.: NA4b, NA5, CA2, CA3, CA6, CA7, SA0, SA2, SA4, SA5, SA6, SA7, SA8, SA9, SA11, WIa1, WIa3, WIa4, WIa5, WIb, Is G, Africa, Asia, Oceania.
Alt.: 25–2750 m.
Ref.: Pursell 1979, Florschütz-de Waard 1990.
Flabellidium spinosum Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Floribundaria bandeirae Broth.
Dist.: SA9.
Ref.: Yano 1989.
Floribundaria cardotii (Broth.) Broth.
Dist.: SA4, SA9.
Ref.: Florschütz-de Waard 1990.
Floribundaria flaccida (Mitt.) Broth.
Syn.: *Meteorium flaccidum* Mitt.
Dist.: SA7.
Alt.: 900 m.
Ref.: Menzel 1992.
Floribundaria floribunda (Dozy & Molk.) Fleisch.
Dist.: SA4, SA5, SA9, Africa.
Ref.: Florschütz-de Waard 1990, Yano 1989.
Floribundaria latifolium (Lindb.) Broth.
Dist.: SA9.
Ref.: Yano 1989.
Floribundaria plumaria (Hampe) Fleisch.
Dist.: SA9.
Ref.: Yano 1981.
Floribundaria schenckii Card.
Dist.: NA5.
Alt.: 1524 m.
Ref.: Cardot 1913.
Floribundaria usneoides (Broth.) Broth.
Dist.: SA9.
Ref.: Schäfer-Verwimp 1991.
Florschuetziella steerei Vitt
Dist.: NA5.
Alt.: 2330 m.
Ref.: Vitt 1979.
Flowersia campylopus (Schimp. ex C. Müll.) Griffin & Buck
Syn.: *Anacolia campylopus* (Schimp. ex C. Müll.) Frans.
Dist.: NA5, CA1, SA2, SA7.
Alt.: 3000–4100 m.
Ref.: Griffin & Buck 1989.
Flowersia setifolia (Hook. & Arnott) Griffin & Buck
Syn.: *Leiomela setifolia* (Hook. & Arnott) Flow.
Dist.: SA6, SA7, SA8.
Alt.: 4000–4450 m.
Ref.: Griffin & Buck 1989, Steere 1948.
Fontinalis bogotensis Hampe
Dist.: SA0, SA7.
Ref.: Menzel 1992, Churchill 1989.
Fontinalis duriaei Schimp.
Dist.: NA2, NA3, NA4a, NA4b, SA9, Africa, Asia, Europe.
Ref.: Yano 1989.
Fontinalis squamosa L. ex Hedw. var. *curta* Arnott
Dist.: SA9.
Ref.: Yano 1981.
Forsstroemia coronata (Mont.) Par.
Syn.: *Forsstroemia julacea* (C. Müll.) Par.
Dist.: SA8, SA9, SA11, SA12, SA13.
Ref.: Stark 1987, Hermann 1976.
Forsstroemia producta (Hornsch.) Par.
Syn.: *Forsstroemia ohioensis* (Sull.) Lindb.
Dist.: NA4b, NA5, SA8, SA9, Africa, Asia, Australia.
Ref.: Stark 1987, Yano 1989, Kis 1985.
Forsstroemia trichomitria (Hedw.) Lindb. subsp. *trichomitria*
Syn.: *Forsstroemia cuspidata* (C. Müll.) Broth.
Dist.: NA4b, NA5, SA9, SA11, SA12, SA13, WIa4, Asia, Japan, Nepal.
Ref.: Stark 1987, Buck & Steere 1983.

Funaria acutifolia (Hampe) Broth.
Dist.: SA2, SA6, SA8.
Alt.: 1829 m.
Ref.: Steere 1948, Hermann 1976.

Funaria altiseta (Herz.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Funaria andicola (Mitt.) Broth.
Dist.: SA6, SA8.
Ref.: Steere 1948, Hermann 1976.

Funaria beyrichii Hampe
Dist.: SA9.
Ref.: Yano 1981.

Funaria calcarea Wahlenb.
Dist.: NA, SA9, Africa, Asia, Europe.
Ref.: Yano 1981.

Funaria capillaris Warnst.
Dist.: SA9.
Ref.: Yano 1981.

Funaria capillipes Broth.
Dist.: SA9, Asia.
Ref.: Yano 1989.

Funaria cartilaginea (C. Müll.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Funaria eurystoma (Mitt.) Broth.
Dist.: SA6.
Alt.: 3353 m.
Ref.: Steere 1948.

Funaria faucium (Herz.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Funaria flava (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Funaria hookeriana Thér.
Dist.: SA7.
Ref.: Menzel 1992.

Funaria hygrometrica Hedw. var. *calvescens* (Schwaegr.) Mont.
Dist.: NA5, CA2, CA3, CA6, CA7, SA0, SA2, SA3, SA4, SA6, SA7, SA8, SA9, SA11, WIa1, WIa3, WIa4, WIa5, Africa; pantropical.
Alt.: 0–4350 m.
Ref.: Gradstein & Florschütz-de Waard 1989.

Funaria hygrometrica Hedw. var. *hygrometrica*
Dist.: NA5, CA1, CA3, CA7, SA0, SA2, SA6, SA7, SA9, SA10, Is G, J Fdez; cosmopolitan.
Alt.: 0–4040 m.
Ref.: Gradstein & Weber 1982, Kis 1985.

Funaria incurvifolia C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.

Funaria inflata C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.

Funaria jamesonii Tayl.
Dist.: SA6, SA7.
Alt.: 2450–3800 m.
Ref.: Steere 1948, Menzel 1992.

Funaria laevis Mitt.
Dist.: SA6, SA7.
Alt.: 1981–3100 m.
Ref.: Hegewald & Hegewald 1985.

Funaria laxissima C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Funaria linearidens C. Müll.
Dist.: southern SA, SA8.
Ref.: Hermann 1976.

Funaria longiseta (Besch.) Broth.
Dist.: CA1, CA3, CA6, SA8.
Alt.: 2020 m.
Ref.: Winkler 1965.

Funaria luteolimbata Broth.
Dist.: SA9.
Ref.: Yano 1989.

Funaria lutescens (Hampe) Broth.
Syn.: *Entosthodon lutescens* (Hampe) Mitt.
Dist.: SA0.
Ref.: Florschütz-de Waard & Florschütz 1979.

Funaria macrospora Williams
Dist.: SA2, SA7, SA8.
Alt.: 4250–4570 m.
Ref.: Menzel 1992, Hermann 1976.

Funaria megalostoma Mitt.
Dist.: SA7.
Alt.: 4300–4570 m.
Ref.: Menzel 1992.

Funaria microstoma Bruch
Dist.: NA4a, NA4b, SA7, Africa, Asia, Australia, Europe, New Zealand.
Alt.: 3450–4400 m.
Ref.: Hegewald & Hegewald 1985, Fife 1979.
Funaria obtuso-apiculata (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Funaria oligophylla (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Funaria orizabensis C. Müll.
Dist.: NA5.
Ref.: Crum 1951.
Funaria ouropratensis (Par.) Thér.
Dist.: SA9.
Ref.: Yano 1981.
Funaria puiggarii (Geh. & Hampe) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Funaria ramulosa (Hampe) Par.
Dist.: SA9.
Ref.: Yano 1981.
Funaria sartorii C. Müll.
Dist.: NA5.
Ref.: Crum 1951.
Funaria serricola (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Funaria sipascoyae (Herz.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Funaria suberecta Mitt.
Dist.: SA6, SA7.
Alt.: 2800–4250 m.
Ref.: Steere 1948, Menzel 1992.
Funaria trumpffii (C. Müll.) Broth.
Dist.: SA2.
Ref.: Pursell 1973.
Ganguleea angulosa (Broth. & Dix.) Zand.
Syn.: *Weisiopsis angulosa* (Broth. & Dix.) Hilp.
Dist.: SA9, India, Nepal.
Alt.: 700 m.
Ref.: Schäfer-Verwimp 1992.
Garckea flexuosa (Griff.) Marg. & Nork.
Dist.: SA9.
Ref.: Yano 1981.
Garckea phascoides (Hook.) C. Müll.
Dist.: NA5, CA7, Asia, Malaysia, Philippines.
Ref.: Crosby 1969b, Norris 1969.
Gertrudiella ferruginea Hilp.
Dist.: SA8.
Ref.: Hermann 1976.
Gertrudiella validinervis (Herz.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Gigaspermum repens (Hook.) Lindb.
Dist.: NA5, Africa, Australia, New Zealand.
Alt.: 2700 m.
Ref.: Delgadillo & Cárdenas 1991.
Globulinella benoistii (Thér.) Magill
Dist.: SA6.
Ref.: Magill 1977.
Globulinella globifera (Hampe) Steere ex Steere & Chapm.
Dist.: NA4b, NA5, CA3, CA4.
Alt.: 1500–2530 m.
Ref.: Magill 1977.
Glossadelphus angustiretis (Broth.) Broth.
Dist.: SA9, New Guinea.
Ref.: Yano 1989.
Glossadelphus choiropyxis (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Glossadelphus natans (C. Müll.) Fleisch.
Dist.: SA9.
Ref.: Yano 1981.
Glossadelphus oophyllus (C. Müll.) Fleisch.
Dist.: SA9.
Ref.: Yano 1981.
Gradsteinia andicola Ochyra
Dist.: SA0.
Alt.: 3650 m
Ref.: Ochyra 1990.
Grimmia affinis Hornsch.
Syn.: *Grimmia praetermissa* Card.
Dist.: NA1, NA2, NA3, NA4, NA5, CA1, CA6, SA0, SA8, Wla4, Africa, Asia, Europe, New Guinea.
Alt.: 1800–4700 m.
Ref.: Cao & Vitt 1986, Buck & Steere 1983.
Grimmia allionii Broth.
Dist.: SA6.
Alt.: 3400 m.
Ref.: Steere 1948.
Grimmia alpestris (Web. & Mohr) Schleich.
Dist.: NA, NA5, Africa, Asia, Europe.
Ref.: Crum & Anderson 1981.
Grimmia andina Mitt.
Dist.: SA6, SA7, SA8.
Ref.: Deguchi 1987a, Steere 1948.

Grimmia anodon Bruch & Schimp. in B.S.G.
Dist.: NA1, NA3, NA4a, NA5, SA7, SA10, Africa, Asia, Caucasus, Europe, India.
Alt.: 3657–5000 m.
Ref.: Cao & Vitt 1986, Menzel 1986a, 1992.

Grimmia apocarpa Hedw.
Syn.: *Schistidium chocayae* Herz.
Dist.: NA1, NA3, NA4a, NA5, CA1, CA6, SA0, SA7, SA8, WIa4, Africa, Antarctica, Asia, Australia, Japan, New Zealand.
Alt.: 2900–4800 m.
Ref.: Bremer 1980, Buck & Steere 1983.

Grimmia arizonae Ren. & Card.
Dist.: NA4a, NA5.
Alt.: 1500–3000 m.
Ref.: Crum 1951.

Grimmia atrata Mielich. ex Hornsch.
Dist.: SA9, Asia, Europe, Japan.
Alt.: 1200–2000 m.
Ref.: Cao & Vitt 1986.

Grimmia benoistii Thér.
Dist.: SA6.
Alt.: 3900 m.
Ref.: Steere 1948.

Grimmia bicolor Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Grimmia boliviana (Broth. in Herz.) Herm.
Dist.: SA8.
Ref.: Hermann 1976.

Grimmia calycina Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Grimmia chilensis Thér. in Herz.
Dist.: SA7, SA10, SA12.
Ref.: Menzel 1986a.

Grimmia cineria Thér.
Dist.: SA6.
Alt.: 4150 m.
Ref.: Steere 1948.

Grimmia columbica De Not.
Dist.: SA6.
Ref.: Steere 1948.

Grimmia donniana Sm.
Dist.: NA3, NA4a, NA4b, SA, Africa, Antarctica, Asia, Europe, India, Japan.
Ref.: Cao & Vitt 1986.

Grimmia elongata Kaulf. in Sturm
Syn.: *Grimmia fuliginosa* Schimp.
Dist.: NA1, NA3, NA5, Asia, Europe, Japan.
Alt.: 2100–4267 m.
Ref.: Cao & Vitt 1986.

Grimmia flexicaulis C. Müll.
Dist.: SA7, SA8.
Ref.: Deguchi 1987a, Hermann 1976.

Grimmia fuscolutea Hook.
Dist.: NA5, SA6.
Alt.: 4600–5000 m.
Ref.: Steere 1948.

Grimmia herzogii Broth.
Dist.: SA7, SA8.
Alt.: 3900–4300 m.
Ref.: Deguchi 1987a, Menzel 1986a, 1992.

Grimmia itatiaiae C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Grimmia laevigata (Brid.) Brid.
Dist.: NA4a, NA4b, NA5, SA9, SA10, WIa4, Africa, Asia, Australia, Europe, Hawaii, India, New Zealand.
Alt.: 2800–3657 m.
Ref.: Cao & Vitt 1986, Buck & Steere 1983.

Grimmia leucophaeola C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.

Grimmia longirostris Hook.
Syn.: *Grimmia nano-globosa* C. Müll.
Dist.: SA0, SA6, SA7, SA8.
Alt.: 700–4600 m.
Ref.: Deguchi 1987a, Steere 1948.

Grimmia micromitria Schimp.
Dist.: SA8.
Ref.: Hermann 1976.

Grimmia microovata C. Müll.
Dist.: southern SA, SA8.
Ref.: Hermann 1976.

Grimmia moxleyi Williams in Holz.
Dist.: NA4a, NA5.
Ref.: Jones 1933.

Grimmia navicularis Herz.
Dist.: SA7, SA8, SA10, SA12.
Alt.: 3900–5700 m.
Ref.: Deguchi 1987a, 1991, Menzel 1992.

Grimmia nigella Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Grimmia olivaceae Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Grimmia orbicularis Bruch in Wils.
Dist.: NA4a, NA5, SA, Africa, Asia, Australia, Europe.
Alt.: 1300 m.
Ref.: Crum 1951.
Grimmia ovalis (Hedw.) Lindb.
Syn.: *Grimmia ovata* Web. & Mohr
Dist.: NA1, NA3, NA4a, NA5, CA6, SA0, SA2, SA6, SA7, SA9, WIa4, Africa, Asia, Australia, Europe, India.
Alt.: 2200–5000 m.
Ref.: Cao & Vitt 1986, Steere 1948.
Grimmia peruviana Sull.
Dist.: SA6, SA7.
Alt.: 4400 m.
Ref.: Deguchi 1987a, Steere 1948.
Grimmia pilifera P. Beauv.
Dist.: NA3, NA4b, NA5, Asia, India, Japan.
Alt.: 350–3500 m.
Ref.: Cao & Vitt 1986.
Grimmia praemorsa (C. Müll.) Kindb.
Dist.: southern SA, SA8.
Ref.: Hermann 1976.
Grimmia pseudoanodon Deguchi
Dist.: SA7.
Ref.: Deguchi 1987a.
Grimmia pulla Card.
Dist.: NA5.
Ref.: Crum 1951.
Grimmia pulvinata (Hedw.) Sm.
Dist.: NA3, NA4a, NA5, Africa, Asia, Australia, Europe, Hawaii, India, New Zealand.
Alt.: 2500 m.
Ref.: Cao & Vitt 1986.
Grimmia quadricruris C. Müll.
Dist.: southern SA, SA8.
Ref.: Hermann 1976.
Grimmia rivularis Brid.
Syn.: *Schistidium rivulare* (Brid.) Podp.
Dist.: NA1, NA3, NA4a, NA4b, NA5, SA0, SA6, SA7, Africa, Asia, Australia, Europe, Japan, New Zealand.
Alt.: 2590–3000 m.
Ref.: Cao & Vitt 1986, Menzel 1992.
Grimmia saxatilis Mitt.
Dist.: SA6, SA7.
Ref.: Deguchi 1987a, Steere 1948.
Grimmia schiedeana C. Müll.
Dist.: NA5.
Ref.: Crum 1951.
Grimmia speirophylla Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Grimmia squamatula Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Grimmia stenopyxis Thér.
Dist.: SA6.
Alt.: 2800–3200 m.
Ref.: Steere 1948.
Grimmia subovata Schimp.
Dist.: SA8.
Ref.: Hermann 1976.
Grimmia subquatricruris Broth. in Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Grimmia tergestina Tomm. ex B.S.G.
Dist.: NA5, Africa, Asia, Europe, India.
Alt.: 2590 m.
Ref.: Cao & Vitt 1986.
Grimmia tolucensis Card.
Dist.: NA5.
Ref.: Crum 1951.
Grimmia trichophylla Grev.
Dist.: NA, NA5, SA7, SA8, SA10, Africa, Asia, Australia, Europe, Hawaii, New Zealand.
Alt.: 1200–4800 m.
Ref.: Deguchi 1987a, Kis 1985, Menzel 1992.
Grimmia trichophylloidea Schimp. ex C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.
Grimmia trinervis Williams
Syn.: *Coscinodon trinervis* (Williams) Broth.
Dist.: SA7, SA8.
Alt.: 2700–5100 m.
Ref.: Deguchi 1987a, Menzel 1992.
Grimmia tristicha Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Grimmia williamsii Deguchi
Dist.: SA7.
Alt.: 2400 m.
Ref.: Deguchi 1987a, Menzel 1992.

Groutiella apiculata (Hook.) Crum & Steere
Syn.: *Macromitrium brevipes* C. Müll.
Dist.: NA5, CA1, CA5, CA7, SA0, SA3, SA4, SA5, SA9, WIa1, WIa5, WIb.
Alt.: 30 m.
Ref.: Florschütz-de Waard 1990, Crosby 1969b, Goffinet 1993.

Groutiella chimborazense (Spruce ex Mitt.) Florsch.-de Waard subsp. *chimborazense*
Syn.: *Macromitrium undosum* Card.
Dist.: NA5, CA1, CA7, SA0, WIa1.
Alt.: 1640 m.
Ref.: Vitt 1979, Crosby 1969b, Duarte n.d.

Groutiella chimborazense (Spruce ex Mitt.) Florsch.-de Waard subsp. *reesei* Vitt
Dist.: NA5.
Alt.: 610–1400 m.
Ref.: Vitt 1979.

Groutiella husnotii (Besch.) Crum & Steere
Dist.: SA2, WIa1, WIa3, WIa5.
Ref.: Buck & Steere 1983, Duarte n.d.

Groutiella mucronifolia (Hook. & Grev.) Crum & Steere
Dist.: NA, CA1, CA2, CA6, CA7, SA2, SA6, SA8, SA9, WIa1, WIa3, WIa4, WIa5, WIb, Is G.
Ref.: Gradstein & Weber 1982, Bizot 1973.

Groutiella obtusa (Mitt.) Florsch.-de Waard
Dist.: SA0, SA3, SA4, SA5, SA7.
Alt.: 100–1000 m.
Ref.: Gradstein & Florschütz-de Waard 1989.

Groutiella tomentosa (Hornsch.) Wijk & Marg.
Syn.: *Groutiella fragilis* (Jaeg. & Sauerb.) Crum & Steere
Dist.: NA4b, NA5, CA1, CA3, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA8, SA9, WIa2, WIa4, WIa5, WIb, Is G, Australia, Ceylon, Java, New Guinea, Philippines.
Alt.: 740–1250 m.
Ref.: Vitt & Crum 1970, Crosby 1969b.

Groutiella tumidula (Mitt.) Vitt
Dist.: NA4b, NA5, CA, SA0, SA7, SA8, SA9, WIa1.
Alt.: 150–1200 m.
Ref.: Vitt 1979, Hegewald & Hegewald 1985.

Groutiella undosa (Card.) Crum & Steere
Dist.: CA3, CA6, CA7.
Alt.: 1520 m.
Ref.: Crosby 1969b, Winkler 1965.

Groutiella wagneriana (C. Müll.) Crum & Steere
Dist.: CA6, SA2, SA6, SA8, SA9, WIa1, WIa3, WIa4.
Alt.: 1067 m.
Ref.: Buck & Steere 1983, Bizot 1973.

Gymnostomiella vernicosa (Hook.) Fleisch.
Syn.: *Gymnostomiella orcutti* Bartr.
Dist.: NA4b, NA5, CA7, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, Is G, Australia, Burma, China, India, Java, Philippines.
Ref.: Redfearn 1991.

Gymnostomum aeruginosum Sm.
Syn.: *Anoectangium arizonicum* Bartr.
Dist.: NA2, NA3, NA4a, NA4b, NA5, CA1, SA2, SA6, SA7, SA9, SA10, WIa3, Africa, Asia, Australia, Europe, New Zealand.
Alt.: 1700–2900 m.
Ref.: Zander 1977b, Buck & Steere 1983.

Gymnostomum jacksharpii (Crum) Allen
Syn.: *Barbula jacksharpii* Crum
Dist.: CA1.
Alt.: 2400 m.
Ref.: Allen 1990d.

Gymnostomum recurvirostrum (Sull.) Zand.
Dist.: SA0.
Alt.: 3500–4100 m.
Ref.: Churchill 1989.

Gymnostomum venezuelense (C. Müll.) Kindb.
Dist.: SA2.
Ref.: Pursell 1973.

Gyroweisia benoistii Thér.
Dist.: SA6.
Alt.: 2800 m.
Ref.: Steere 1948.

Gyroweisia lindigii (Hampe) Broth.
Dist.: SA0.
Ref.: Churchill 1989.

Gyroweisia monterreia Zand. & Herm.
Dist.: NA5.
Alt.: 1100 m.
Ref.: Zander & Hermann 1986.

Gyroweisia obtusifolia Broth.
Syn.: *Husnotiella obtusifolia* (Broth.) Zand.
Dist.: NA5, SA7.
Alt.: 1100–2750 m.
Ref.: Zander 1977b, Menzel 1992.

Haplodontium crassinervium Herz.
Dist.: SA9.
Ref.: Yano 1989.

Haplodontium diplodontum (Mitt.) Jaeg.
Dist.: SA6.
Ref.: Steere 1948.
Haplodontium humipetens C. Müll.
Dist.: southern SA, SA8.
Ref.: Hermann 1976.
Haplodontium sanguinolentum C. Müll.
Dist.: southern SA, SA8.
Ref.: Hermann 1976.
Haplodontium subsplendidum Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Haplodontium vilocense Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Haplohymenium triste (Ces. ex De Not.) Kindb.
Syn.: *Anomodon fragillimus* Herz.
Dist.: NA, NA5, CA6, SA8, SA9, Africa, Asia, Caucasus, Europe, Hawaii, Oceania, Turkey.
Alt.: 1158–2286 m.
Ref.: Watanabe 1972, Granzow 1989.
Hedwigia ciliata (Hedw.) Ehrh. ex P. Beauv.
Syn.: *Hedwigia albicans* Lindb.
Dist.: NA1, NA2, NA3, NA5, CA1, SA0, SA2, SA6, SA7, SA8, SA9, WIa4, Africa, Asia, Australia, Caucasus, Europe, Himalayas, Japan, Macaronesia, New Zealand.
Alt.: 853–3500 m.
Ref.: Buck & Steere 1983, Kis 1985.
Hedwigidium glyphocarpum (Hampe) Jaeg.
Dist.: SA9.
Ref.: Yano 1981.
Hedwigidium integrifolium (P. Beauv.) Dix. ex C. Jens.
Dist.: NA5, CA1, CA3, CA6, SA0, SA2, SA6, SA7, SA8, SA9, SA10, WIa4, Africa, Australia, Ceylon, Europe, New Zealand, Réunion, Tasmania.
Alt.: 2225–4550 m.
Ref.: Buck & Steere 1983, Kis 1985.
Helicoblepharum brasiliense Herz.
Dist.: SA9.
Ref.: Yano 1981.
Helicoblepharum daltoniaceum (Hampe) Broth.
Dist.: SA0.
Ref.: Churchill 1989.
Helicoblepharum fuscidulum (Mitt.) Broth.
Dist.: SA6.
Alt.: 1219 m.
Ref.: Steere 1948.
Helicoblepharum venustum (Mitt.) Broth.
Dist.: SA6, SA8.
Alt.: 1829–2438 m.
Ref.: Steere 1948, Hermann 1976.
Helicodontium acuminatum C. Müll.
Dist.: SA9, SA12.
Ref.: Yano 1981.
Helicodontium capillare (Hedw.) Jaeg.
Syn.: *Helicodontium complanatum* Broth.
Dist.: NA5, CA1, SA0, SA6, SA7, SA8, SA9, SA11, WIa1, WIa3, WIa4, WIa5.
Alt.: 450–2400 m.
Ref.: Zomlefer & Buck 1990, Buck 1980a.
Helicodontium clarazii (Duby) Par.
Dist.: SA9, SA12.
Ref.: Buck 1980a, Yano 1981.
Helicodontium leptodontium (Mitt.) Jaeg.
Syn.: *Hypnum leptodontium* Mitt.
Dist.: SA7.
Alt.: 400 m.
Ref.: Menzel 1992.
Helicodontium minutum (Mitt.) Jaeg.
Dist.: SA6.
Ref.: Steere 1948.
Helicodontium pervirens (C. Müll.) Par.
Syn.: *Rigodium pterigynandroides* (Broth.) Broth.
Dist.: SA9, SA11, SA12.
Alt.: 160 m.
Ref.: Buck 1980a, Zomlefer & Buck 1990.
Helicodontium pseudo-limnobium (C. Müll.) Kindb.
Dist.: SA11.
Ref.: Buck 1985a.
Helicodontium rhyparobolax C. Müll.
Dist.: southern SA, SA8.
Ref.: Hermann 1976.
Helicophyllum torquatum (Hook.) Brid.
Dist.: NA5, CA1, CA3, CA6, CA7, SA0, SA7, SA8, SA9, SA11, WIa1, WIa4, WIa5.
Alt.: 15–1067 m.
Ref.: Buck & Steere 1983, Crosby 1969b.

Hemiragis aurea (Brid.) Kindb.
Dist.: CA1, CA5, CA6, CA7, SA0, SA3, SA6, SA8, SA9, WIa2, WIa4, WIa5, WIb.
Alt.: 1200–1600 m.
Ref.: Welch 1974, 1976, Crosby 1969b.

Henicodium geniculatum (Mitt.) Buck
Syn.: *Leucodontopsis geniculata* (Mitt.) Crum & Steere
Dist.: NA4b, NA5, CA1, CA2, CA6, CA7, SA0, SA3, SA4, SA5, SA7, SA8, SA9, WIa1, WIa3, WIa4, WIa5, WIb, Is G, Africa.
Alt.: 100–800 m.
Ref.: Florschütz-de Waard 1990, Buck 1989b.

Hennediella stanfordensis (Steere) Blockeel
Syn.: *Tortula stanfordensis* Steere
Dist.: NA4a, NA5, Europe.
Ref.: Blockeel 1990.

Herpetineuron toccoae (Sull. & Lesq.) Card.
Dist.: NA4, NA5, CA1, CA3, WIa4, Africa, Asia, Ceylon, India, Japan, Java, New Caledonia, Philippines, Sumatra.
Alt.: 762–2682 m.
Ref.: Watanabe 1972, Buck & Steere 1983.

Herzogiella boliviana (Broth. in Herz.) Fleisch.
Dist.: SA8.
Ref.: Iwatsuki 1970, Hermann 1976.

Herzogiella cylindricarpa (Card.) Iwats.
Syn.: *Ctenidiadelphus cylindricarpus* (Card.) Bartr.
Dist.: NA5, CA1, CA6, SA0, SA2.
Alt.: 1800–3000 m.
Ref.: Iwatsuki 1970, Pursell 1973.

Heterocladium dimorphum (Brid.) B.S.G.
Dist.: NA2, NA3, NA4a, SA6, Europe.
Ref.: Steere 1948.

Heterocladium macounii Best
Dist.: NA2, NA4, NA5.
Alt.: 1920 m.
Ref.: Schofield 1985.

Heterophyllium acunae Thér.
Dist.: WIa1.
Ref.: Duarte n.d.

Heterophyllium affine (Hook. ex Kunth) Fleisch.
Syn.: *Heterophyllium nemorosum* (Brid.) Kindb.
Dist.: NA4b, NA5, CA1, CA6, SA0, WIa2, WIa3, Caucasus, Himalayas, Siberia.
Alt.: 457–2743 m.
Ref.: Robinson & Reed 1966, Steere 1985.

Heterophyllium albescens P. Vard.
Syn.: *Heterophyllium flexile* (Ren. & Card.) Thér. & P. Vard.
Dist.: SA9, Africa.
Ref.: Robinson & Reed 1966.

Heterophyllium subpiligerum Thér.
Dist.: WIa1.
Ref.: Duarte n.d.

Hildebrandtiella guyanensis (Mont.) Buck
Syn.: *Orthostichidium pentagonum* (Hampe & Lor.) C. Müll.
Dist.: NA5, CA1, CA2, CA3, CA6, SA0, SA2, SA3, SA5, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb.
Alt.: 396–2190 m.
Ref.: Florschütz-de Waard 1990, Buck 1991b.

Holodontium inerme (Mitt.) Broth.
Dist.: southern SA, SA6, Africa.
Ref.: Steere 1948.

Holomitriopsis laevifolia (Broth.) Robins.
Dist.: SA2.
Ref.: Pursell 1973.

Holomitrium antennatum Mitt.
Dist.: SA9.
Ref.: Yano 1981.

Holomitrium arboreum Mitt.
Syn.: *Holomitrium standleyi* Bartr.
Dist.: NA5, CA1, CA2, CA3, CA4, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, SA11, WIa4, WIa5.
Alt.: 0–3200 m.
Ref.: Hegewald 1978, Allen 1990b.

Holomitrium aristatum Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Holomitrium calycinum (Hedw.) Mitt.
Syn.: *Holomitrium marginatum* Mitt.
Dist.: CA2, WIa1, WIa2, WIa3, WIa4.
Alt.: 450–2600 m.
Ref.: Hegewald 1978, Welch & Crum 1959.

Holomitrium crispulum Mart.
Dist.: CA7, SA0, SA2, SA6, SA8, SA9, WI.
Alt.: 1700–3962 m.
Ref.: Florschütz-de Waard & Florschütz 1979.

Holomitrium diversirete Broth.
Dist.: SA9.
Ref.: Yano 1981.

Holomitrium flexuosum Mitt.
Dist.: CA1, CA6, SA0, SA6, WIa4.
Alt.: 1524–2438 m.
Ref.: Buck & Steere 1983, Steere 1948.

Holomitrium glaziovii Geh. & Hampe
Dist.: SA9.
Ref.: Yano 1981.
Holomitrium lehmannii Besch.
Dist.: SA0.
Ref.: Florschütz-de Waard & Florschütz 1979.
Holomitrium longifolium Hampe
Dist.: CA6, SA0, SA9.
Alt.: 1750–2000 m.
Ref.: Florschütz-de Waard & Florschütz 1979.
Holomitrium lutescens C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.
Holomitrium moritzianum Hampe
Dist.: SA2, SA9.
Ref.: Pursell 1973.
Holomitrium nitidum Herz.
Dist.: SA9.
Ref.: Schäfer-Verwimp 1991.
Holomitrium olfersianum Hornsch.
Dist.: SA7, SA9.
Alt.: 1200 m.
Ref.: Schäfer-Verwimp 1991, Menzel 1992.
Holomitrium paraguense Besch.
Dist.: SA11.
Ref.: Buck 1985a.
Holomitrium pulchellum Mitt.
Syn.: *Breedlovea chiapensis* Crum
Dist.: NA5, CA1, CA6, CA7, SA0, SA6.
Alt.: 1200–3200 m.
Ref.: Allen 1990b, Churchill 1991b.
Holomitrium seticalyx C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Holomitrium sinuosum Allen
Dist.: CA6, CA7, SA0, SA2.
Alt.: 700–2920 m.
Ref.: Allen 1990b.
Holomitrium standleyi Bartr.
Dist.: CA1, CA6, SA6.
Alt.: 3150–3250 m.
Ref.: Robinson, Holm-Nielsen & Lojtnant 1977.
Holomitrium terebellatum C. Müll.
Dist.: CA1, CA6, CA7.
Alt.: 1400–2500 m.
Ref.: Allen 1990b, Robinson 1964.
Holomitrium tortuosum Mitt.
Dist.: SA6.
Alt.: 914 m.
Ref.: Steere 1948.
Holomitrium undulatum Mitt.
Dist.: SA6.
Alt.: 2134 m.
Ref.: Steere 1948.
Holomitrium urbilleanum (C. Müll.) Reese
Dist.: SA9.
Ref.: Yano 1981.
Holomitrium williamsii Bartr.
Dist.: CA6, CA7, SA9.
Alt.: 1850–2000 m.
Ref.: Allen 1990b.
Holomitrium xolocotzianum Crum
Dist.: NA5.
Alt.: 1829–2020 m.
Ref.: Crum 1952, Robinson 1964.
Homalia defoliata (C. Müll.) Jaeg.
Dist.: SA9.
Ref.: Yano 1981.
Homalia glabella (Hedw.) B.S.G.
Dist.: NA5, CA1, CA2, CA3, CA5, CA6, CA7, WIa1, WIa5.
Alt.: 914–2350 m.
Ref.: Crosby & Crum 1967, Crosby 1969b.
Homalia trichomanioides (Hedw.) B.S.G.
Syn.: *Homalia jamesii* Schimp.
Dist.: NA, NA5, Asia, China, Europe, Japan.
Alt.: 2134 m.
Ref.: Crum 1951, Crum & Anderson 1981.
Homaliadelphus sharpii (Williams) Sharp
Dist.: NA4b, NA5, Japan, Vietnam.
Alt.: 2256 m.
Ref.: Crum 1951, Crum & Anderson 1981.
Homaliodendron decompositum (Brid.) Wagn.
Dist.: NA, NA5, CA1, CA3, CA6, SA7, WIa1, WIa2, WIa3, WIa4
Alt.: 1128–2350 m.
Ref.: Buck & Steere 1983, Winkler 1965.
Homaliodendron punctulatum Fleisch.
Dist.: SA9.
Ref.: Yano 1981.
Homalothecium aequatoriense Thér.
Dist.: SA6.
Alt.: 4600–4650 m.
Ref.: Steere 1948.
Homalothecium arenarium (Lesq.) Lawt.
Dist.: NA, NA5.
Ref.: Lawton 1965a.
Homalothecium pinnatifidum (Sull. & Lesq.) Lawt.
Dist.: NA, NA5.
Ref.: Lawton 1965a.

Homomallium mexicanum Card.
Dist.: NA4a, NA5.
Alt.: 1900–3000 m.
Ref.: Crum 1951, Crum & Anderson 1981.

Homomallium sharpii Ando & Hig.
Dist.: NA5.
Alt.: 1900–2300 m.
Ref.: Ando & Higuchi 1983.

Hookeria acutifolia Hook. & Grev.
Dist.: NA3, NA4b, NA5, CA1, CA3, CA6, SA0, SA6, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb, Asia, Borneo, India, Philippines.
Alt.: 1524–1950 m.
Ref.: Welch 1966, Buck & Steere 1983.

Hookeria viridula Mitt.
Dist.: SA7.
Alt.: 450 m.
Ref.: Menzel 1992.

Hookeriopsis angustiretis Bartr.
Dist.: CA1.
Ref.: Welch 1976.

Hookeriopsis armata Bartr.
Dist.: SA6, SA9.
Alt.: 1600 m.
Ref.: Steere 1948.

Hookeriopsis beyrichiana (Hampe) Broth.
Dist.: SA9.
Ref.: Yano 1989.

Hookeriopsis bowersiana Crum
Dist.: NA5.
Alt.: 1646–1829 m.
Ref.: Crum 1986b.

Hookeriopsis brachypelma (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Hookeriopsis brunneophylla (C. Müll.) Fleisch.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Ref.: Hermann 1976.

Hookeriopsis cavifolia (Mitt.) Jaeg.
Dist.: SA6.
Ref.: Steere 1948.

Hookeriopsis corcovadensis (Reichdt.) Jaeg.
Dist.: SA9.
Ref.: Yano 1981.

Hookeriopsis crosbyi Allen
Dist.: CA7.
Alt.: 800–1980 m.
Ref.: Allen 1987b.

Hookeriopsis cuspidatissima (Hampe) Broth.
Dist.: SA6.
Alt.: 3048 m.
Ref.: Steere 1948.

Hookeriopsis exesa (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Hookeriopsis exigua (Mitt.) Jaeg.
Dist.: SA6.
Alt.: 2134 m.
Ref.: Steere 1948.

Hookeriopsis glandulifera (Hampe) Jaeg.
Dist.: SA6.
Alt.: 3048 m.
Ref.: Steere 1948.

Hookeriopsis heterophylla Sehnem
Dist.: SA9.
Ref.: Yano 1989.

Hookeriopsis hydrophila (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1989.

Hookeriopsis latifrondea (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Hookeriopsis leiophylla (Besch.) Jaeg.
Syn.: *Hookeriopsis borinquensis* Crum & Steere
Dist.: WIa5, WIb.
Ref.: Welch 1976, Sastre & Buck ms.

Hookeriopsis lepidopiloides Herz.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Ref.: Hermann 1976.

Hookeriopsis leucomioides (Broth.) Broth.
Dist.: SA11.
Ref.: Buck 1985a.

Hookeriopsis lonchopelma (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Hookeriopsis luteo-rufescens (Besch.) Jaeg.
Syn.: *Hookeriopsis obsoletinervis* Thér.
Dist.: WIa1, WIa3, WIa5, WIb.
Ref.: Welch 1976, Sastre & Buck ms.

Hookeriopsis minutiretis (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1989.

Hookeriopsis negrensis Broth. ex Thér.
Dist.: SA9.
Ref.: Yano 1981.

Hookeriopsis pachydictyon Herz.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Ref.: Hermann 1976.
Hookeriopsis papillidioides (C. Müll.) Broth.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Ref.: Hermann 1976.
Hookeriopsis perfulva (C. Müll.) Broth. ex Par.
Dist.: SA9.
Ref.: Yano 1981.
Hookeriopsis ptari-tepuiensis Bartr. in Steyermark
Dist.: SA2.
Ref.: Pursell 1973.
Hookeriopsis puiggarii (Geh. & Hampe) Broth.
Dist.: SA9.
Ref.: Yano 1989.
Hookeriopsis rhynchostegioides (Broth.) Broth.
Dist.: SA9.
Ref.: Yano 1989.
Hookeriopsis rubens (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1989.
Hookeriopsis saxicola (Williams) Allen, Crosby & Magill
Syn.: *Stenodictyon saxicola* Williams
Dist.: SA8.
Ref.: Allen, Crosby & Magill 1985.
Hookeriopsis serrata (Ångstr.) Jaeg.
Dist.: SA9.
Ref.: Yano 1981.
Hookeriopsis standleyi Bartr.
Dist.: CA6.
Ref.: Bowers 1974, Welch 1976.
Hookeriopsis stenodictyon Sehnem
Dist.: SA9.
Ref.: Yano 1989.
Hookeriopsis steyermarkii Bartr. in Steyermark
Dist.: SA2.
Ref.: Pursell 1973.
Hookeriopsis subscabrella Fleisch. ex Broth.
Dist.: SA6.
Alt.: 1000–1100 m.
Ref.: Steere 1948.
Hookeriopsis venezuelensis Bartr.
Dist.: SA2.
Ref.: Pursell 1973.
Hookeriopsis vesicularia (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1989.
Hookeriopsis williamsii Herz.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Ref.: Hermann 1976.

Horridohypnum mexicanum (Thér.) Buck
Syn.: *Pterigynandrum filiforme* (Timm.) Hedw. var. *mexicanum* Thér.
Dist.: NA, NA5, CA1, CA6, WI, Africa, Asia, Europe.
Alt.: 1981–3200 m.
Ref.: Buck 1980c.
Husnotiella glossophylla Herz.
Dist.: SA7, SA8.
Alt.: 4300 m.
Ref.: Hegewald & Hegewald 1985.
Hydropogon fontinaloides (Hook.) Brid.
Dist.: SA0, SA2, SA4, SA5, SA6, SA7, SA8, SA9.
Alt.: 100–600 m.
Ref.: Reese 1979a, Florschütz-de Waard 1990.
Hydropogonella gymnostoma (Schimp.) Card.
Dist.: SA2, SA3, SA4, SA8, SA9.
Ref.: Florschütz-de Waard 1990, Hermann 1976.
Hygroamblystegium chilense (Lor.) Reim.
Dist.: SA10, WIa1.
Ref.: Seki 1974, Duarte n.d.
Hygroamblystegium meridense Bartr.
Dist.: SA2.
Ref.: Pursell 1973.
Hygroamblystegium tenax (Hedw.) Jenn.
Dist.: NA3, NA4, NA5, SA7, Africa, Asia, Caucasus, Europe, Japan, Macaronesia.
Alt.: 2900–3900 m.
Ref.: Hegewald & Hegewald 1985.
Hygrodicranum boliviamum Herz.
Dist.: SA7, SA8.
Alt.: 3560–4400 m.
Ref.: Hegewald & Hegewald 1985.
Hygrodicranum herrerae Williams
Dist.: SA7.
Alt.: 3600 m.
Ref.: Menzel 1992.
Hygrohypnum arsenei Crum
Dist.: NA5.
Alt.: 2100 m.
Ref.: Crum 1985a.
Hygrohypnum aureum Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Hygrohypnum brasiliense Herz.
Dist.: SA9.
Ref.: Yano 1981.

Hygrohypnum circinatum Herz.
Dist.: SA9.
Ref.: Yano 1981.
Hygrohypnum ellipticum Thér.
Dist.: SA6.
Ref.: Steere 1948.
Hygrohypnum micans (Mitt.) Broth.
Dist.: NA3, NA4b, NA5, Europe.
Ref.: Robinson 1964.
Hygrohypnum pelichucense Williams
Dist.: CA6, SA0, SA6, SA8.
Alt.: 1900 m.
Ref.: Bowers, Sharp & Robinson 1973.
Hygrohypnum peruviense Williams
Syn.: *Rhynchostegium peruviense* (Williams) Ochyra
Dist.: SA7.
Alt.: 3000–3500 m.
Ref.: Menzel 1992.
Hygrohypnum reduncum (Mitt.) Nishimura
Syn.: *Ctenidium caldense* (Broth.) Broth.
Dist.: SA7, SA9.
Ref.: Nishimura 1985, Menzel 1992.
Hygrohypnum robinsonii Crum
Dist.: NA5, CA7.
Ref.: Crum 1985a.
Hygrohypnum steerei Sharp
Dist.: NA5.
Ref.: Sharp 1978.
Hygrohypnum tequendamense Herz. var. *subfalcatum* Herz.
Dist.: SA0, SA2.
Ref.: Pursell 1973, Churchill 1989.
Hygrohypnum validum Herz.
Syn.: *Rhynchostegium validum* (Herz.) Ochyra
Dist.: SA7, SA8.
Alt.: 3400 m.
Ref.: Menzel 1992, Hermann 1976.
Hymenodon aeruginosus (Hook. f. & Wils.) C. Müll. var. *aeruginosus*
Dist.: SA9, WIa1, WIa3, WIa4.
Ref.: Koponen et al. 1986, Duarte n.d.
Hymenodon aeruginosus (Hook. f. & Wils.) C. Müll. var. *clementii* Thér.
Dist.: WIa1.
Ref.: Duarte n.d., Crosby 1971b.
Hymenodon reggaeus Kartt. & S. Bäck
Dist.: SA0.
Ref.: Churchill 1989.
Hymenolomopsis tolucensis Thér.
Dist.: NA5.
Ref.: Crum 1951.
Hymenostomum anomalum Broth. in Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Hymenostomum balansaeanum Besch.
Dist.: SA11.
Ref.: Buck 1985a.
Hymenostomum breutelii (C. Müll.) Kindb.
Dist.: CA6, SA9, WIa1, WIa3, WIa4, WIa5.
Ref.: Buck & Steere 1983, Duarte n.d.
Hymenostomum castaneum Crum & Steere
Dist.: WIa3.
Alt.: 1676–2286 m.
Ref.: Crum & Steere 1958.
Hymenostomum densirete Thér.
Dist.: SA6.
Alt.: 2800 m.
Ref.: Steere 1948.
Hymenostomum fasciculatum Hampe
Dist.: SA9.
Ref.: Yano 1981.
Hymenostomum goyazense (Broth.) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Hymenostomum jamesonii (Arnott) Hampe
Dist.: CA1, SA7, SA9.
Alt.: 2000 m.
Ref.: Hegewald & Hegewald 1985.
Hymenostomum laxirete (Broth.) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Hymenostomum micaceum (Schlecht.) Hampe
Dist.: SA9, WI.
Ref.: Yano 1981.
Hymenostomum obtusatum (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Hymenostomum riograndense Broth.
Dist.: SA9.
Ref.: Yano 1981.
Hymenostomum striatum Geh. & Hampe
Dist.: SA9.
Ref.: Yano 1981.
Hymenostomum subacaule (Mitt.) Broth.
Dist.: SA6.
Alt.: 1829 m.
Ref.: Steere 1948.

Hymenostomum submicaceum (C. Müll.) Par.
Dist.: SA9.
Ref.: Yano 1981.
Hymenostomum termitarum (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Hymenostomum urceolare (Hampe) Hampe
Dist.: SA9.
Ref.: Yano 1981.
Hymenostyliella alata (Herz.) Robins.
Syn.: *Timmiella alata* Herz.
Dist.: SA9.
Ref.: Robinson 1971a.
Hymenostylium contextum Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Hymenostylium recurvirostrum (Hedw.) Dix. var. *insigne* (Dix.) Bartr.
Dist.: NA3, SA7.
Alt.: 4500 m.
Ref.: Zander & Eckel 1982, Menzel 1992.
Hymenostylium recurvirostrum (Hedw.) Dix. var. *recurvirostrum*
Dist.: NA3, NA4a, NA4b, NA5, CA1, SA2, SA6, SA7, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb, Africa, Asia, Australia, Europe.
Alt.: 500–3700 m.
Ref.: Zander 1977b, Buck & Steere 1983.
Hyophila arborea (Mitt.) Jaeg.
Dist.: SA2, SA9.
Ref.: Yano 1981, Pursell 1973.
Hyophila assimilis Broth.
Dist.: SA9.
Ref.: Yano 1981.
Hyophila bartramiana Steere
Dist.: NA5.
Ref.: Steere 1935.
Hyophila blanda (Hook. & Wils.) Jaeg.
Dist.: SA9.
Ref.: Yano 1981.
Hyophila brevifolia Hampe
Dist.: SA9.
Ref.: Yano 1981.
Hyophila grossidens Broth.
Dist.: SA6.
Alt.: 900–1000 m.
Ref.: Steere 1948.
Hyophila incurva Jaeg.
Dist.: CA, SA9.
Ref.: Yano 1981.
Hyophila involuta (Hook.) Jaeg. & Sauerb.
Syn.: *Hyophila tortula* (Schwaegr.) Hampe
Dist.: NA4a, NA4b, NA5, CA1, CA2, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, Bahamas, WIa1, WIa3, WIa4, WIa5, WIb, Is G, Africa, Asia, Europe, India, Japan, Oceania.
Alt.: 350–2150 m.
Ref.: Saito 1975, Allen 1988, Bizot 1973.
Hyophila involutifolia (C. Müll.) Jaeg.
Dist.: SA2, SA8.
Ref.: Hermann 1976, Pursell 1973.
Hyophila laete-virens Broth.
Dist.: SA9.
Ref.: Yano 1981.
Hyophila loxorhyncha C. Müll. ex Ångstr.
Dist.: SA9.
Ref.: Yano 1981.
Hyophila mattogrossensis Broth.
Dist.: SA9.
Ref.: Yano 1981.
Hyophila minutissima (Mitt.) Jaeg.
Dist.: SA8, SA9.
Alt.: 950 m.
Ref.: Schäfer-Verwimp 1992, Hermann 1976.
Hyophila mosenii Broth.
Dist.: SA9.
Ref.: Yano 1981.
Hyophila ochracea Broth.
Dist.: SA9.
Ref.: Yano 1981.
Hyophila ovalifolia (Hampe) Hampe
Dist.: SA9.
Ref.: Yano 1981.
Hyophila paraguensis Broth.
Dist.: SA11.
Ref.: Buck 1985a.
Hyophila regnellii C. Müll. ex Ångstr.
Dist.: SA9.
Ref.: Yano 1981.
Hyophila rosea Williams
Dist.: NA5, India, Philippines.
Alt.: 0–1200 m.
Ref.: Williams 1914.
Hyophila rubiginosa Hampe
Dist.: SA9.
Ref.: Yano 1981.
Hyophila uleana C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Hyophila variegata Ångstr.
Dist.: SA9.
Ref.: Yano 1981.
Hyophila warmingii Hampe
Dist.: SA9.
Ref.: Yano 1981.
Hypnella ambrosia Lewis & Allen
Dist.: SA8.
Alt.: 900 m.
Ref.: Lewis & Allen 1992.
Hypnella diversifolia (Mitt.) Jaeg.
Syn.: *Neohypnella diversifolia* (Mitt.) Welch & Crum
Dist.: CA5, CA6, CA7, SA0, SA2, SA3, SA6, SA7, SA8, SA9, WIa2, WIb, Is G.
Alt.: 700–1900 m.
Ref.: Crosby, Allen & Magill 1985.
Hypnella guayanensis Allen & Buck
Dist.: SA2, SA3.
Alt.: 700–1160 m.
Ref.: Buck 1990a.
Hypnella leptorrhyncha (Hook. & Grev.) Jaeg.
Syn.: *Hypnella pseudo-pilifera* (Hampe) Jaeg.
Dist.: SA2, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb.
Ref.: Crosby, Allen & Magill 1985.
Hypnella pallescens (Hook.) Jaeg.
Syn.: *Hypnella cymbifolia* Hampe
Dist.: CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA9, WIa1, WIa2, WIa5, WIb.
Alt.: 180–1000 m.
Ref.: Crosby, Allen & Magill 1985.
Hypnella pilifera (Hook. & Wils.) Jaeg. & Sauerb.
Dist.: NA5, CA4, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9.
Alt.: 1920–3000 m.
Ref.: Crosby, Allen & Magill 1985.
Hypnella punctata Broth.
Dist.: SA9.
Ref.: Allen 1986.
Hypnodontopsis mexicana (Thér.) Robins.
Syn.: *Oreas mexicana* Thér.
Dist.: NA5.
Ref.: Robinson 1964.
Hypnum amabile (Mitt.) Hampe
Dist.: NA5, CA1, CA6, SA0, SA2, SA6, SA7, SA8, SA9, WIa4.
Alt.: 1700–4000 m.
Ref.: Ando 1972, Allen 1988, Bowers 1974.
Hypnum chrysogaster C. Müll.
Dist.: SA10, Australia, New Zealand, Tristan da Cunha.
Alt.: 20–250 m.
Ref.: Ando 1977, Deguchi 1991.
Hypnum circinale Hook.
Dist.: NA2, NA3, NA4a, SA9, Japan.
Ref.: Ando 1977, Yano 1989.
Hypnum cupressiforme Hedw. var. *cupressiforme*
Dist.: NA3, NA5, CA1, SA0, SA6, SA7, SA10, WIb, Africa, Asia, Australia, Europe, Japan, New Zealand, Taiwan.
Alt.: 3000–4000 m.
Ref.: Ando 1989, Kis 1985, Deguchi 1991.
Hypnum cupressiforme Hedw. var. *lacunosum* Brid.
Syn.: *Hypnum mirabile* Bartr.
Dist.: NA3, NA4, NA5, CA1, CA6, SA0, SA2, SA6, SA7, SA8, SA10, Africa, Asia, Australia, Europe.
Alt.: 364–4035 m.
Ref.: Ando 1989, Hegewald & Hegewald 1985.
Hypnum hamatum (Mitt.) Jaeg.
Dist.: CA6, SA2, SA8.
Ref.: Pursell 1973.
Hypnum hampei Kindb.
Dist.: SA9.
Ref.: Yano 1989.
Hypnum holdridgei Crum & Steere
Dist.: WIa3.
Alt.: 2575 m.
Ref.: Crum & Steere 1958.
Hypnum productum (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1989.
Hypnum revolutum (Mitt.) Lindb.
Dist.: NA1, NA3, NA4, NA5, SA12, Antarctica, Asia, Europe, India.
Alt.: 3000–4500 m.
Ref.: Ando 1973.
Hypnum spiripes C. Müll.
Dist.: SA0, SA8.
Ref.: Hermann 1976, Churchill 1989.
Hypopterygium arbuscula Brid.
Dist.: SA10, SA12, J Fdez.
Ref.: Matteri 1973b, Robinson 1975.
Hypopterygium argentinicum Lor. ex C. Müll.
Dist.: SA8, SA9, SA11.
Ref.: Hermann 1976, Buck 1985a.

Hypopterygium bolivianum Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Hypopterygium didictyon C. Müll.
Dist.: SA10, SA12, Australia, New Zealand.
Ref.: Matteri 1973b.
Hypopterygium flavescens Hampe
Dist.: CA, SA2, SA9.
Ref.: Yano 1981, Pursell 1973.
Hypopterygium laricinum (Hook.) Brid.
Dist.: CA, SA2, SA9, Africa.
Ref.: Kis 1985, Pursell 1973.
Hypopterygium lehmannii Besch.
Dist.: SA6.
Alt.: 3000 m.
Ref.: Steere 1948.
Hypopterygium monoicum Hampe
Dist.: SA9.
Ref.: Yano 1989.
Hypopterygium rigidulum Mitt.
Dist.: CA6, SA2, SA8, SA9.
Ref.: Bowers 1974, Pursell 1973.
Hypopterygium rotundostipulatum C. Müll.
Dist.: SA11.
Ref.: Buck 1985a.
Hypopterygium tamariscinum (Hedw.) Brid.
Dist.: NA4b, NA5, CA1, CA2, CA4, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5.
Alt.: 396–2900 m.
Ref.: Griffin 1977a, Buck & Steere 1983.
Irelandia robusticaulis (Bartr.) Buck
Syn.: *Isopterygium robusticaule* Bartr.
Dist.: CA1.
Alt.: 300–500 m.
Ref.: Buck 1984b.
Isodrepanium lentulum (Wils.) Britt.
Dist.: NA5, CA1, CA3, CA4, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA9, WIa1, WIa2, WIa4, WIa5, WIb.
Alt.: 500–2800 m.
Ref.: Welch 1966, Florschütz-de Waard 1990.
Isopterygiopsis muelleriana (Schimp.) Iwats.
Syn.: *Isopterygium muellerianum* (Schimp.) Jaeg. & Sauerb.
Dist.: NA2, NA3, NA4b, NA5, Asia, Europe, Japan.
Alt.: 3100–3170 m.
Ref.: Ireland 1984, 1991, Iwatsuki 1970.

Isopterygium acutifolium Irel.
Dist.: SA2, SA3.
Alt.: 400 m.
Ref.: Ireland 1990, 1992.
Isopterygium affusum Mitt.
Syn.: *Isopterygium submersum* (Broth.) Broth.
Dist.: CA4, SA2, SA9, WIb.
Alt.: 430–1350 m.
Ref.: Yano 1989, Ireland 1991, 1992.
Isopterygium brasiliense (Broth.) Buck
Syn.: *Syringothecium brasiliense* Broth.
Dist.: SA9.
Alt.: 800 m.
Ref.: Buck 1989a.
Isopterygium brevisetum (Hornsch.) Broth.
Dist.: SA9.
Ref.: Yano 1989, Ireland 1991.
Isopterygium byssobolax (C. Müll.) Par.
Dist.: SA8, SA9, SA12.
Alt.: 30–1180 m.
Ref.: Ireland 1991, 1992.
Isopterygium chrismarii (C. Müll.) Mitt.
Dist.: NA5, CA1, CA3, CA7, SA0, SA8, WIa1.
Alt.: 2350 m.
Ref.: Ireland 1991, Winkler 1965.
Isopterygium exiguum Kindb.
Dist.: SA9.
Ref.: Yano 1989, Ireland 1991.
Isopterygium exile (C. Müll.) Par.
Dist.: SA11.
Ref.: Ireland 1991, Buck 1985a.
Isopterygium fruticola (C. Müll.) Par.
Dist.: SA4.
Ref.: Ireland 1991.
Isopterygium gracillimum (Hornsch.) Broth.
Dist.: SA9.
Ref.: Ireland 1991.
Isopterygium hookeriophilum (C. Müll.) Broth.
Dist.: SA9.
Ref.: Ireland 1991.
Isopterygium jamaicense (Bartr.) Buck
Syn.: *Platygyriella jamaicensis* Bartr.
Dist.: NA5, CA1, WIa2.
Alt.: 0–350 m.
Ref.: Buck 1984a, Ireland 1992.
Isopterygium longisetulum (C. Müll.) Par.
Dist.: WIa1.
Ref.: Duarte n.d.

Isopterygium microplumosum (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1989, Ireland 1991.

Isopterygium miradoricum (C. Müll.) Jaeg. & Sauerb.
Dist.: NA5, CA1, CA6, SA.
Alt.: 0–1000 m.
Ref.: Ireland 1984, 1991.

Isopterygium plumicaule (C. Müll.) Buck
Syn.: *Hookeria plumicaulis* C. Müll.
Dist.: SA2.
Ref.: Buck 1987a.

Isopterygium pseudosubulatum (C. Müll.) Par.
Syn.: *Taxicaulis pseudosubulatus* C. Müll.
Dist.: SA2.
Ref.: Ireland 1991.

Isopterygium pygmaeocarpum (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1989, Ireland 1991.

Isopterygium sapricola (C. Müll.) Broth.
Syn.: *Taxicaulis sapricola* C. Müll.
Dist.: SA9.
Ref.: Ireland 1991.

Isopterygium sprucei (Mitt.) Buck
Syn.: *Syringothecium nemodontium* Herz.
Dist.: SA0, SA6, SA8.
Alt.: 914–2100 m.
Ref.: Buck 1989a, Churchill 1991b.

Isopterygium subbrevisetum (Hampe) Broth.
Syn.: *Isopterygium subtenerrimum* (C. Müll.) Par.
Dist.: CA4, CA5, CA6, CA7, SA2, SA4, SA5, SA6, SA7, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb.
Alt.: 30–1940 m.
Ref.: Yano 1989, Ireland 1991, 1992.

Isopterygium subcurvicolle (C. Müll.) Par.
Syn.: *Taxicaulis subcurvicollis* C. Müll.
Dist.: SA9.
Ref.: Ireland 1991.

Isopterygium subglobosum Herz.
Dist.: SA8.
Alt.: 1600 m.
Ref.: Ireland 1991, Hermann 1976.

Isopterygium subsplendidulum (C. Müll.) Par.
Dist.: CA1.
Ref.: Ireland 1991.

Isopterygium tenerifolium Mitt.
Syn.: *Plagiothecium villae-ricae* Besch.
Dist.: NA5, CA4, CA6, CA7, SA0, SA2, SA3, SA4, SA6, SA8, SA9, SA11, SA12, WIa1, WIa2, WIa4, WIa5, WIb.
Alt.: 200–3000 m.
Ref.: Buck & Ireland 1989, Ireland 1991, 1992.

Isopterygium tenerum (Sw.) Mitt.
Syn.: *Isopterygium diminutivum* Bartr.
Dist.: NA4b, NA5, CA1, CA2, CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, SA10, SA11, SA12, SA13, Bahamas, WIa1, WIa2, WIa3, WIa4, WIa5, WIb, Is G, J Fdez.
Alt.: 0–4000 m.
Ref.: Buck & Ireland 1989, Ireland 1991, 1992.

Itatiella ulei (Broth. ex C. Müll.) G. L. Sm.
Syn.: *Psilopilum ulei* Broth. ex C. Müll.
Dist.: SA9.
Ref.: Smith 1971, Yano 1989.

Jaegerina guatemalensis Bartr.
Dist.: CA1, WIa1.
Ref.: Bartram 1949, Duarte n.d.

Jaegerina scariosa (Lor.) Arz.
Syn.: *Jaegerinopsis brasiliensis* Broth.
Dist.: NA4b, NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA7, SA8, SA9, WIa1, WIa4, WIa5, Africa.
Alt.: 1130–2600 m.
Ref.: Reese 1979a, Florschütz-de Waard 1990.

Jaffueliobryum arsenei (Thér.) Thér.
Syn.: *Grimmia churchilliana* Crum
Dist.: NA5.
Ref.: Churchill 1987, Crum 1986b.

Jaffueliobryum wrightii (Sull. in Gray) Thér.
Syn. *Grimmia wrightii* (Sull.) Aust.
Dist.: NA4a, NA4b, NA5, SA8, Asia.
Alt.: 2040 m.
Ref.: Churchill 1987.

Jonesiobryum cerradense Vital ex Allen & Pursell
Dist.: SA9.
Ref.: Yano 1989, Allen & Pursell 1991.

Jonesiobryum termitarum Vital ex Allen & Pursell
Dist.: SA9.
Ref.: Yano 1989, Allen & Pursell 1991.

Kindbergia oedogonium (C. Müll.) Ochyra
Syn.: *Eurhynchium oedogonium* (C. Müll.) Broth.
Dist.: SA0, SA7, SA8.
Alt.: 3400 m.
Ref.: Churchill 1989, Hermann 1976, Menzel 1992.

Kindbergia oregana (Sull.) Ochyra
Syn.: *Stokesiella praelonga* subsp. *oregana* (Sull.) Perss. & Schof.
Dist.: NA2, NA3, NA4a, CA6.
Ref.: Bowers 1974, Persson & Viereck 1983.

Kindbergia praelonga (Hedw.) Ochyra
Syn.: *Rigodium toxarioides* Broth. & Par.
Dist.: NA3, NA4a, NA5, CA1, CA6, SA0, SA2, SA6, SA7, SA9, WIa4, Africa, Asia, Europe.
Alt.: 1800–3510 m.
Ref.: Allen 1988, Churchill 1989, Crum 1969, Ochyra 1982, Zomlefer & Buck 1990.

Kingiobryum paramicola Robins.
Dist.: SA0, SA2.
Alt.: 2490–4200 m.
Ref.: Zander & Cleef 1982, Churchill 1989.

Koponenia holoneuron (Herz.) Ochyra
Syn.: *Sciaromium holoneuron* Herz.
Dist.: SA8.
Ref.: Hermann 1976, Ochyra 1985.

Leiomela aristifolia (Jaeg.) Wijk & Marg.
Dist.: SA0, SA6.
Alt.: 3658 m.
Ref.: Griffin 1981a, Steere 1948.

Leiomela bartramioides (Hook.) Par.
Dist.: NA5, CA1, CA6, SA0, SA2, SA3, SA6, SA7, WIa1, WIa3, WIa4, Africa, Indonesia.
Alt.: 914–3000 m.
Ref.: Griffin 1981a, Buck & Steere 1983.

Leiomela brachyphylla (C. Müll.) Broth.
Dist.: SA8, SA9.
Ref.: Yano 1981, Hermann 1976.

Leiomela capillaris (Hampe) Par.
Dist.: SA9.
Ref.: Yano 1981.

Leiomela deciduifolia Herz.
Dist.: SA0, SA8.
Ref.: Hermann 1976, Churchill 1989.

Leiomela ecuadorensis Robins.
Dist.: SA0, SA6.
Alt.: 3750–4300 m.
Ref.: Robinson, Holm-Nielsen & Lojtnant 1977.

Leiomela filifolia Thér.
Dist.: WIa1.
Ref.: Duarte n.d.

Leiomela fuscescens (Ångstr.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Leiomela lineata (C. Müll.) Broth.
Dist.: SA2.
Ref.: Pursell 1973.

Leiomela lopezii Griffin
Dist.: SA0.
Ref.: Griffin 1977b, Churchill 1989.

Leiomela lutescens (Hampe) Broth.
Dist.: SA0.
Ref.: Churchill 1989.

Leiomela peruviana Williams
Dist.: SA7.
Alt.: 1850 m.
Ref.: Menzel 1992.

Leiomela piligera (Hampe) Broth.
Dist.: SA9.
Ref.: Schäfer-Verwimp 1991.

Leiomela subbrevifolia (C. Müll.) Broth.
Dist.: SA2.
Ref.: Pursell 1973.

Leiomitrium scaberrimum (Broth.) Wijk & Marg.
Dist.: SA3.
Alt.: 800 m.
Ref.: Gradstein & Florschütz-de Waard 1989.

Lepidopilidium aureopurpureum (Geh. & Hampe) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Lepidopilidium brevisetum (Hampe) Broth.
Dist.: SA9.
Ref.: Schäfer-Verwimp 1991.

Lepidopilidium caudicaule (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Lepidopilidium divaricatum (Dozy & Molk.) Broth.
Dist.: CA, SA2, SA4, SA9, WIa2, WIb.
Ref.: Welch 1976, Pursell 1973.

Lepidopilidium entodontella (Broth.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Lepidopilidium gracilifrons (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Lepidopilidium laevisetum (Hampe) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Lepidopilidium nitens (Hornsch.) Broth. var. *latior* Geh. & Hampe
Syn.: *Hookeria subnitens* Geh. & Hampe var. *latior* Geh. & Hampe
Dist.: SA9.
Ref.: Yano 1981.

Lepidopilidium nitens (Hornsch.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Lepidopilidium plebejum (C. Müll.) Sehnem
Syn.: *Lepidopilum plebejum* C. Müll.
Dist.: southern SA, SA9.
Ref.: Yano 1989.

Lepidopilidium portoricense (C. Müll.) Crum & Steere
Syn.: *Crossomitrium portoricense* C. Müll.
Dist.: NA5, CA6, SA3, SA4, SA5, WIa1, WIa2, WIa3, WIa5, WIb.
Alt.: 600 m.
Ref.: Welch 1974, Florschütz-de Waard 1990.

Lepidopilidium purpurissatum (C. Müll.) Broth.
Dist.: SA2.
Ref.: Pursell 1973.

Lepidopilidium regnellii (Ångstr.) Buck & Ireland
Syn.: *Plagiothecium regnellii* Ångstr.
Dist.: SA9.
Ref.: Buck & Ireland 1989.

Lepidopilidium rupestre (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Lepidopilidium subdivaricatum (Ren. & Card.) Broth.
Dist.: CA6.
Alt.: 1800 m.
Ref.: Welch 1974, 1976.

Lepidopilidium synoicum Herz.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Ref.: Hermann 1976.

Lepidopilidium tenuisetum (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Lepidopilidium wainioi (Broth.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Lepidopilum acutum Mitt.
Dist.: SA6.
Alt.: 914 m.
Ref.: Steere 1948.

Lepidopilum affine C. Müll.
Syn.: *Lepidopilum pacimoniense* Spruce
Dist.: CA6, SA0, SA2, SA4, SA5, SA6, SA7, SA9, WIb.
Alt.: 0–1100 m.
Ref.: Churchill 1992, Florschütz-de Waard 1990, Menzel 1992, Welch 1972a, 1974, 1976.

Lepidopilum amplirete (Sull.) Mitt.
Dist.: WIa1, WIa3, WIa5.
Ref.: Welch 1969, Buck & Steere 1983.

Lepidopilum anceps Mitt.
Dist.: SA6.
Alt.: 914 m.
Ref.: Steere 1948.

Lepidopilum angustifrons Hampe
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Ref.: Hermann 1976, Churchill 1989.

Lepidopilum antillarum Mitt.
Dist.: WIa2, WIa4, WIa5, WIb.
Ref.: Welch 1971a, Buck & Steere 1983.

Lepidopilum apiculatum Bartr.
Dist.: CA6.
Alt.: 80–600 m.
Ref.: Welch 1974, 1976.

Lepidopilum apophysatum Hampe in Besch.
Dist.: NA5, CA3.
Ref.: Welch 1966, 1976.

Lepidopilum arcuatum Mitt.
Dist.: SA0, SA6.
Alt.: 464 m.
Ref.: Steere 1948, Churchill 1989.

Lepidopilum argutidens Broth.
Dist.: SA6.
Alt.: 1000 m.
Ref.: Steere 1948.

Lepidopilum armatum Mitt.
Dist.: SA6.
Alt.: 762 m.
Ref.: Steere 1948.

Lepidopilum aureofulvum C. Müll.
Dist.: SA2, WIa1, WIa4.
Ref.: Welch 1969, Buck & Steere 1983.

Lepidopilum auriculatum Herz.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Ref.: Hermann 1976.
Lepidopilum ballivianii Herz.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Ref.: Hermann 1976.
Lepidopilum biductulosum (P. Beauv.) Wijk & Marg.
Dist.: CA6, CA7, SA2, SA3, SA6, SA7, SA9, WIb.
Alt.: 364–900 m.
Ref.: Welch 1974, Crosby 1969b.
Lepidopilum brachyphyllum Broth. in Herz.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Ref.: Hermann 1976.
Lepidopilum brevifolium Mitt.
Dist.: SA6.
Alt.: 914 m.
Ref.: Steere 1948.
Lepidopilum brevipes Mitt.
Dist.: NA5, CA1, CA6, CA7, SA0, SA7, SA9.
Alt.: 900–1100 m.
Ref.: Welch 1966, 1976, Menzel 1992.
Lepidopilum calvum Mitt.
Dist.: SA7.
Alt.: 900 m.
Ref.: Menzel 1992.
Lepidopilum carneum Bartr.
Dist.: NA5, CA6, SA0, SA6.
Ref.: Welch 1966, 1976, Robinson 1964.
Lepidopilum caviusculum Mitt.
Dist.: SA6.
Ref.: Steere 1948.
Lepidopilum chloroneuron (Tayl.) Hampe & Lor.
Dist.: SA6.
Alt.: 914–1524 m.
Ref.: Steere 1948.
Lepidopilum contiguum Ren. & Card.
Dist.: CA6.
Alt.: 650 m.
Ref.: Welch 1974, 1976.
Lepidopilum crispum Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Lepidopilum cubense (Sull.) Mitt.
Dist.: NA1, NA2, NA5, CA1, CA3, CA6, SA0, SA4, SA5, WIa1, WIa5, Bermuda.
Alt.: 540–1200 m.
Ref.: Welch 1969, 1974, Florschütz-de Waard 1990.
Lepidopilum curvifolium Mitt.
Dist.: SA6.
Alt.: 364–610 m.
Ref.: Steere 1948.
Lepidopilum curvirameum (C. Müll.) Par.
Dist.: SA8, SA9.
Ref.: Yano 1981, Hermann 1976.
Lepidopilum cuspidans Mitt.
Dist.: SA0, SA6, SA9.
Alt.: 914 m.
Ref.: Steere 1948, Churchill 1989.
Lepidopilum deppeanum (C. Müll.) Mitt.
Dist.: NA5.
Ref.: Welch 1976.
Lepidopilum diaphanum (Hedw.) Mitt.
Dist.: CA1, SA0, SA2, SA7, WIa2, WIb.
Alt.: 1500 m.
Ref.: Welch 1971a, 1976, Menzel 1992.
Lepidopilum dominicense Bartr.
Dist.: WIb.
Ref.: Welch 1972a, 1976.
Lepidopilum erectiusculum (Tayl.) Mitt.
Dist.: SA0, SA6, SA7.
Alt.: 914–1829 m.
Ref.: Churchill 1991a, Steere 1948.
Lepidopilum falcatulum C. Müll.
Dist.: NA5, CA1, CA6, CA7.
Ref.: Welch 1966, 1976.
Lepidopilum filiferum Besch. in Fourn.
Syn.: *Lepidopilum piliferum* Besch.
Dist.: NA5.
Ref.: Welch 1966, 1976, Allen 1990a.
Lepidopilum filosum Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Lepidopilum flavescens Geh. & Hampe
Dist.: SA9.
Ref.: Yano 1981.
Lepidopilum floresianum Ren. & Card.
Dist.: CA6, CA7.
Alt.: 1650 m.
Ref.: Welch 1974, 1976.
Lepidopilum frondosum Mitt.
Dist.: SA0.
Ref.: Churchill 1989.
Lepidopilum gertrudis Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Lepidopilum glaziovii Hampe
Dist.: SA9.
Ref.: Yano 1981.

Lepidopilum goniothecium C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.
Lepidopilum gracile Mitt.
Dist.: SA6.
Alt.: 1219 m.
Ref.: Steere 1948.
Lepidopilum grevilleanum Mitt.
Syn.: *Lepidopilum pulcherrimum* Steere
Dist.: SA6.
Alt.: 750–925 m.
Ref.: Churchill 1992, Steere 1948.
Lepidopilum haplociliatum (C. Müll.) Par.
Dist.: NA5, CA1, CA3, CA5, CA6, SA2, SA7.
Alt.: 1829–1920 m.
Ref.: Welch 1974, 1976, Winkler 1965.
Lepidopilum herzogii Broth. in Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Lepidopilum huallagense Broth.
Dist.: SA7.
Alt.: 1100 m.
Ref.: Menzel 1992.
Lepidopilum imbricatifolium Mitt.
Dist.: SA6, SA7.
Alt.: 450 m.
Ref.: Menzel 1992.
Lepidopilum inflexum Mitt.
Dist.: SA0, SA6.
Alt.: 610–1219 m.
Ref.: Churchill 1991a, Steere 1948.
Lepidopilum integerrimum Mitt.
Dist.: SA6.
Alt.: 914–2134 m.
Ref.: Steere 1948.
Lepidopilum integrifolium Broth. in Urban
Dist.: WIb.
Ref.: Welch 1972a, 1976.
Lepidopilum intermedium (C. Müll.) Mitt.
Dist.: SA3, SA6, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb.
Ref.: Welch 1969, Buck & Steere 1983.
Lepidopilum krauseanum C. Müll.
Dist.: SA6.
Alt.: 1067–1219 m.
Ref.: Steere 1948.
Lepidopilum laetenitens Ren. & Card.
Dist.: CA6.
Ref.: Bowers 1974.
Lepidopilum laxirete C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Lepidopilum leiomitrium C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.
Lepidopilum leptoloma Broth.
Dist.: SA9.
Ref.: Yano 1981.
Lepidopilum leucomioides Broth.
Dist.: SA6.
Alt.: 1200 m.
Ref.: Steere 1948.
Lepidopilum livens Besch.
Dist.: CA6, CA7.
Ref.: Welch 1974, 1976.
Lepidopilum longifolium Hampe
Syn.: *Lepidopilum robustum* Mitt.
Dist.: SA0, SA6, WIa1, WIa2, WIa3, WIa5, WIb.
Ref.: Welch 1969, Buck & Steere 1983.
Lepidopilum macrophyllum Sehnem
Dist.: SA9.
Ref.: Yano 1989.
Lepidopilum maculatum C. Müll.
Dist.: SA0.
Ref.: Churchill 1989.
Lepidopilum malachiticum Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Lepidopilum mniaceum C. Müll.
Dist.: SA0.
Ref.: Churchill 1989.
Lepidopilum mnioides C. Müll.
Dist.: SA2, Asia.
Ref.: Pursell 1973.
Lepidopilum mohrianum C. Müll.
Dist.: NA5, CA1, CA5.
Alt.: 914–1280 m.
Ref.: Welch 1966, 1976.
Lepidopilum mosenii Broth.
Dist.: SA9.
Ref.: Yano 1981.
Lepidopilum muelleri (Hampe) Mitt.
Dist.: CA1, CA6, CA7, SA0, SA2, SA6, SA7, SA8, WIa2, WIa3, WIa4, WIa5.
Alt.: 900–2134 m.
Ref.: Welch 1971a, Buck & Steere 1983.
Lepidopilum nanothecium C. Müll.
Dist.: SA8, SA9.
Ref.: Yano 1981, Hermann 1976.

Lepidopilum nitidum Besch.
Dist.: NA5.
Ref.: Welch 1966, 1976.
Lepidopilum nudum Mitt.
Dist.: SA6.
Ref.: Steere 1948.
Lepidopilum oblongifolium Mitt.
Dist.: SA9.
Ref.: Yano 1981.
Lepidopilum ovalifolium (Duby) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Lepidopilum ovatifolium Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Lepidopilum pallidonitens (C. Müll.) Par.
Dist.: CA6, SA0, SA6, SA8.
Alt.: 800–1700 m.
Ref.: Churchill 1991a, Steere 1948.
Lepidopilum pectinatum Mitt.
Dist.: SA6.
Alt.: 1219 m.
Ref.: Steere 1948.
Lepidopilum pergracile C. Müll.
Dist.: SA0.
Ref.: Churchill 1989.
Lepidopilum permarginatum Williams
Dist.: SA0.
Ref.: Churchill 1989.
Lepidopilum phyllophilum Broth.
Dist.: SA6.
Alt.: 1308 m.
Ref.: Steere 1948.
Lepidopilum platyphyllum Ren. & Card.
Dist.: CA4, CA6.
Ref.: Welch 1974, 1976.
Lepidopilum polytrichoides (Hedw.) Brid.
Syn.: *Campylotrichum acuminatum* Sikora
Dist.: NA4b, NA5, CA1, CA4, CA5, CA6, CA7, SA0, SA2, SA4, SA5, SA6, SA7, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb.
Alt.: 400–2500 m.
Ref.: Buck & Churchill 1989, Welch 1962, Florschütz-de Waard 1990.
Lepidopilum pringlei Card.
Dist.: NA5, Cocos Island.
Alt.: 762–1219 m.
Ref.: Welch 1966, 1976.
Lepidopilum pycnodictyum C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Lepidopilum radicale Mitt.
Dist.: NA5, CA1, CA6, SA0, SA3, SA4, SA5, SA6, SA7, SA9, WIb.
Alt.: 394–2134 m.
Ref.: Welch 1966, Florschütz-de Waard 1990.
Lepidopilum rotundifolium Bartr.
Dist.: CA6.
Alt.: 800 m.
Ref.: Welch 1974, 1976.
Lepidopilum scabrisetum (Schwaegr.) Steere
Syn.: *Lepidopilum purpurascens* Schimp. ex Besch.
Dist.: NA5, CA1, CA3, CA5, CA6, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb.
Alt.: 500–2591 m.
Ref.: Welch 1976, Florschütz-de Waard 1990.
Lepidopilum semilaeve Mitt.
Dist.: CA6, CA7, SA0, SA2, SA6, SA7, SA8, Is G.
Ref.: Welch 1974, Crosby 1969b.
Lepidopilum skutchii Bartr.
Dist.: CA6.
Ref.: Welch 1974, 1976.
Lepidopilum splendens Broth.
Dist.: SA7.
Alt.: 2600–3000 m.
Ref.: Menzel 1992.
Lepidopilum stenodictyon Sehnem
Dist.: SA9.
Ref.: Yano 1989.
Lepidopilum steyermarkii Bartr. in Steyermark
Dist.: SA2.
Ref.: Pursell 1973.
Lepidopilum stillicidiorum Mitt.
Dist.: SA0, SA6.
Alt.: 914 m.
Ref.: Steere 1948, Churchill 1989.
Lepidopilum subaurifolium Geh. & Hampe
Dist.: SA9, WI.
Ref.: Yano 1981.
Lepidopilum subflexifolium C. Müll.
Dist.: western SA, SA9.
Ref.: Yano 1981.
Lepidopilum subfulvum Mitt.
Dist.: SA9.
Ref.: Yano 1989.

Lepidopilum subfuscum Mitt.
Dist.: SA9.
Ref.: Yano 1981.
Lepidopilum subgracile Broth.
Dist.: SA6.
Alt.: 1300 m.
Ref.: Steere 1948.
Lepidopilum subpolytrichoides C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.
Lepidopilum subsubulatum Geh. & Hampe
Dist.: SA9.
Ref.: Yano 1989.
Lepidopilum subulatum Mitt.
Dist.: SA9.
Ref.: Yano 1981.
Lepidopilum surinamense C. Müll.
Dist.: SA0, SA3, SA4, SA5.
Ref.: Gradstein & Florschütz-de Waard 1989.
Lepidopilum tenuifolium Mitt.
Dist.: SA6.
Ref.: Steere 1948.
Lepidopilum tenuissimum Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Lepidopilum tortifolium Mitt.
Dist.: NA5, CA1, CA6, SA0, SA6, SA7, SA9, WIa2, WIa4, WIa5, WIb.
Alt.: 364–700 m.
Ref.: Welch 1966, Buck 1987a, 1983a.
Lepidopilum wallisii C. Müll.
Dist.: SA0.
Ref.: Churchill 1989.
Leptobryum pyriforme (Hedw.) Wils.
Dist.: NA1, NA2, NA3, NA4, NA5, CA1, CA3, SA0, SA2, SA6, SA9, WIa3, Africa, Asia, Europe, Japan, New Guinea, New Zealand, Tasmania.
Alt.: 1690–4100 m.
Ref.: Koponen & Norris 1985, Griffin 1975a.
Leptobryum stellatum (Herz.) Broth.
Dist.: SA7, SA8.
Alt.: 1300–3000 m.
Ref.: Hegewald & Hegewald 1985.
Leptobryum wilsonii (Mitt.) Broth.
Dist.: SA6, SA7.
Alt.: 1524–3900 m.
Ref.: Hegewald & Hegewald 1985.

Leptodictyum humile (P. Beauv.) Crum
Syn.: *Leptodictyum trichopodium* (Schultz) Warnst.
Dist.: NA3, NA4, NA5, Asia, Europe.
Ref.: Crum & Anderson 1989.
Leptodictyum loeskei (Herz.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Leptodictyum octodiceroides (C. Müll.) Broth.
Dist.: WIa1.
Ref.: Duarte n.d.
Leptodictyum riparioides (Jaeg.) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Leptodictyum riparium (Hedw.) Warnst.
Dist.: NA3, NA4, NA5, CA1, SA2, SA9, WIa1, WIa3, WIa4, Africa, Asia, Australia, Europe, Japan, Kerguelen, New Zealand.
Alt.: 305–2134 m.
Ref.: Buck & Steere 1983, Kis 1985.
Leptodontiella apiculata (Zand.) Zand. & Hegew.
Syn.: *Leptodontium apiculatum* Zand.
Dist.: SA7.
Alt.: 600–4035 m.
Ref.: Zander 1972, Zander & Hegewald 1976.
Leptodontium araucarieti (C. Müll.) Par.
Dist.: SA7, SA8, SA9.
Alt.: 300–3000 m.
Ref.: Zander 1972, Hermann 1976.
Leptodontium brachyphyllum Broth. & Thér.
Dist.: NA5, CA1, SA0, SA2, SA6, SA7, SA8, Africa.
Alt.: 200–4550 m.
Ref.: Zander 1972, Griffin 1975a.
Leptodontium capituligerum C. Müll.
Dist.: NA5, CA1, CA3, CA6, SA0, SA2, SA6, SA7, SA8, SA9, SA12, SA13, Africa.
Alt.: 1380–4035 m.
Ref.: Zander 1972, Griffin 1975a.
Leptodontium erythroneuron Herz.
Dist.: SA0, SA2, SA7, SA8.
Alt.: 3500–7700 m.
Ref.: Zander 1972, Griffin 1975a.
Leptodontium filicola Herz.
Dist.: CA6, SA0, SA2, SA7, SA8, SA9, SA10.
Alt.: 1800–3650 m.
Ref.: Zander 1972, Hermann 1976.

Leptodontium flexifolium (Dicks. ex With.) Hampe
Dist.: NA4b, NA5, CA1, CA3, CA6, SA0, SA2, SA6, SA7, SA8, Africa, Asia, China, Europe, Hawaii, Himalayas, Japan, Taiwan.
Alt.: 2000–4600 m.
Ref.: Zander 1972, Kis 1985.

Leptodontium fuhrmannii Broth. & Irmsch.
Dist.: SA0.
Ref.: Zander 1972, Churchill 1989.

Leptodontium longicaule Mitt. var. *longicaule*
Dist.: CA1, CA3, CA6, SA0, SA2, SA6, SA7, SA8, Africa, Réunion.
Alt.: 1380–4500 m.
Ref.: Zander 1972, Winkler 1965.

Leptodontium longicaule Mitt. var. *microruncinatum* (Dus.) Zand.
Dist.: SA2, SA6, SA7, SA8, SA10, J Fdez, Africa, Réunion, Tristan da Cunha.
Alt.: 1150–4100 m.
Ref.: Zander 1972, Menzel 1986a, 1992.

Leptodontium luteum (Tayl.) Mitt.
Dist.: SA0, SA2, SA6, SA7, SA8, WIa4, Africa.
Alt.: 1830–4000 m.
Ref.: Zander 1972, Buck & Steere 1983.

Leptodontium orthotrichoides (C. Müll.) Par.
Dist.: SA0.
Ref.: Zander 1972, Churchill 1989.

Leptodontium planifolium Herz.
Dist.: SA0, SA8.
Alt.: 3400 m.
Ref.: Zander 1972, Hermann 1976.

Leptodontium proliferum Herz.
Syn.: *Streptopogon rzedowskii* Cárde.
Dist.: NA5, SA0, SA7, SA8.
Alt.: 3900–4500 m.
Ref.: Zander 1972, Hermann 1976.

Leptodontium pungens (Mitt.) Kindb.
Syn.: *Leptodontium acutifolium* Mitt.
Dist.: NA5, CA1, SA0, SA2, SA6, SA7, SA8, SA9, SA12, J Fdez, Africa.
Alt.: 1100–5300 m.
Ref.: Zander 1972, Kis 1985, Menzel 1986a.

Leptodontium saxicola (C. Müll.) C. Müll. ex Par.
Dist.: SA9.
Ref.: Zander 1972.

Leptodontium stellaticuspis Bartr.
Dist.: SA0, SA2, SA6.
Alt.: 3500–4400 m.
Ref.: Zander 1972, Griffin 1975a.

Leptodontium stellatifolium (Hampe) Broth.
Dist.: SA9.
Alt.: 2100–2931 m.
Ref.: Zander 1972, Yano 1981.

Leptodontium stoloniferum Zand.
Dist.: CA6, SA0, SA6.
Alt.: 2700–3600 m.
Ref.: Zander 1972, Churchill 1989.

Leptodontium subintegrifolium Thér. ex Herz.
Dist.: SA7.
Alt.: 4500–4800 m.
Ref.: Zander 1972, Menzel 1986a, 1992.

Leptodontium syntrichioides (C. Müll.) Kindb.
Dist.: CA6, SA0, SA7, SA8.
Alt.: 2000–3650 m.
Ref.: Zander 1972, Churchill 1989.

Leptodontium tricolor (Williams) Zand.
Dist.: SA6, SA7, SA8.
Alt.: 3000–4250 m.
Ref.: Zander & Hegewald 1976.

Leptodontium trifarium Broth.
Dist.: SA9.
Ref.: Zander 1972.

Leptodontium viticulosoides (P. Beauv.) Wijk & Marg. var. *exasperatum* (Card.) Zand.
Dist.: NA5, CA1, CA3, CA6, SA0, SA6, SA7.
Alt.: 1350–3200 m.
Ref.: Zander 1972, Allen 1988.

Leptodontium viticulosoides (P. Beauv.) Wijk & Marg. var. *flagellaceum* (Bartr.) Zand.
Dist.: NA5, CA6.
Alt.: 2000–2400 m.
Ref.: Zander 1972.

Leptodontium viticulosoides (P. Beauv.) Wijk & Marg. var. *sulphureum* (C. Müll.) Zand.
Syn.: *Leptodontium viticulosoides* var. *panamense* (Lor.) Zand.
Dist.: NA4b, NA5, CA1, CA3, CA4, CA5, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, WIa2, WIa3, WIa4.
Alt.: 300–4400 m.
Ref.: Zander 1972, Buck & Steere 1983.

Leptodontium viticulosoides (P. Beauv.) Wijk & Marg. var. *viticulosoides*
Syn.: *Leptodontium brasiliense* Mitt.
Dist.: NA5, CA1, CA6, SA0, SA2, SA6, SA7, SA8, SA9, SA12, Africa, Asia, Himalayas, Madagascar, Réunion, Taiwan.
Alt.: 100–4100 m.
Ref.: Zander 1972, Menzel 1986a, 1992.

Leptodontium wallisii (C. Müll.) Kindb.
Dist.: CA6, SA0, SA2, SA6, SA7, SA8, SA9, Africa.
Alt.: 2000–5200 m.
Ref.: Zander 1972, Griffin 1975a.

Leptohymenium tenue (Hook.) Schwaegr.
Syn.: *Leptohymenium ehrenbergianum* (C. Müll.) Fleisch. ex Thér.
Dist.: NA5, CA1, CA3, Asia, Himalayas.
Alt.: 1820–2600 m.
Ref.: Rohrer 1986, Winkler 1965.

Leptopterigynandrum austro-alpinum C. Müll.
Syn.: *Erythrodontium tenuicaule* Williams
Dist.: NA2, NA4a, NA5, SA7, SA8, SA12, Africa.
Alt.: 2300–4400 m.
Ref.: Buck 1980c, Hegewald & Hegewald 1985.

Leptopterigynandrum clavatum Buck & Crum
Dist.: SA8.
Ref.: Buck 1980c.

Leptotheca boliviana Herz.
Syn.: *Leptotheca costaricensis* Card. & Thér.
Dist.: CA6, CA7, SA0, SA2, SA6, SA7, SA8, WIa2.
Alt.: 1500–2950 m.
Ref.: Churchill & Buck 1982, Menzel 1992.

Leptotheca hamiltonii Crum
Dist.: SA7.
Ref.: Crum 1987a.

Lepyrodon duellii Crum
Dist.: NA5.
Alt.: 2300 m.
Ref.: Crum 1984c.

Lepyrodon parvulus Mitt.
Dist.: SA10, J Fdez.
Ref.: Robinson 1975.

Lepyrodon tomentosus (Hook.) Mitt.
Syn.: *Isopterygium semicostatum* Ren. & Card.
Dist.: NA5, CA6, SA0, SA2, SA6, SA7, SA8, SA9, WIa3, WIa4, J Fdez.
Alt.: 1900–4800 m.
Ref.: Robinson 1975, Buck & Steere 1983.

Lepyrodontopsis trichophylla (Hedw.) Broth.
Dist.: SA2, SA3, SA5, WIa1, WIa3, WIa4, WIa5, WIb.
Alt.: 800 m.
Ref.: Buck 1981c, Florschütz-de Waard 1990.

Leskea angustata Tayl.
Dist.: NA5, SA0, SA2, SA6, SA7.
Alt.: 2134–3500 m.
Ref.: Steere 1948, Pursell 1973.

Leskea catenularia (C. Müll.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Leskea plumaria Mitt.
Syn.: *Rauiella plumaria* (Mitt.) Wijk & Marg.
Dist.: SA0, SA6, SA8.
Alt.: 1829–3048 m.
Ref.: Buck & Crum 1990, Steere 1948.

Leskea teretiuscula Mitt.
Syn.: *Rauiella teretiuscula* (Mitt.) Wijk & Marg.
Dist.: SA6.
Alt.: 2134–3353 m.
Ref.: Buck & Crum 1990, Steere 1948.

Leskeadelphus bolivianus (Britt.) Buck
Syn.: *Leskeadelphus catenulatus* (C. Müll.) Herz.
Dist.: CA, SA0, SA7, SA8.
Alt.: 1300–4000 m.
Ref.: Buck 1980a, Hegewald & Hegewald 1985.

Leskeodon andicola (Mitt.) Broth.
Dist.: NA5, CA1, CA6, SA0, SA6, SA7, SA8, WIa1, WIa2, WIa3, WIa5, WIb.
Alt.: 304–914 m.
Ref.: Welch 1976, Steere 1948.

Leskeodon aristatus (Geh. & Hampe) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Leskeodon auratus (C. Müll.) Broth.
Dist.: SA9, WIa2, WIa5, WIb.
Ref.: Welch 1976, Yano 1989.

Leskeodon cubensis (Mitt.) Thér.
Dist.: NA5, CA1, CA4, CA6, SA3, WIa1, WIa2, WIa3, WIa5, WIb.
Alt.: 1400 m.
Ref.: Welch 1972b, 1976, Buck & Steere 1983.

Leskeodon densiretis (Broth.) Broth.
Syn.: *Distichophyllum densirete* Broth.
Dist.: SA9.
Ref.: Yano 1981.

Leskeodon dussii (Besch.) Bartr.
Dist.: WIb.
Ref.: Welch 1976.

Leskeodon longicaulis Broth.
Dist.: SA9.
Ref.: Yano 1981.
Leskeodon longipilus (Besch.) Bartr.
Dist.: NA5, CA6, CA7, SA0, SA2, WIa2, WIb.
Alt.: 2400–2800 m.
Ref.: Welch 1976, Griffin 1977a.
Leskeodon mariei (Besch.) Broth.
Dist.: WIb.
Ref.: Welch 1976.
Leskeodon mexicanus Card.
Dist.: NA5, CA1, CA3, CA6.
Alt.: 1372–1463 m.
Ref.: Welch 1976.
Leskeodon minusculus (C. Müll.) Fleisch.
Dist.: SA9.
Ref.: Yano 1981.
Leskeodon paisa Churchill
Dist.: SA0.
Ref.: Churchill 1989.
Leskeodon palmarum (Mitt.) Broth.
Dist.: SA6, SA7.
Alt.: 900–1219 m.
Ref.: Steere 1948, Menzel 1992.
Leskeodon parvifolius Bartr.
Dist.: SA2.
Ref.: Pursell 1973.
Leskeodon parvulus (Besch.) Broth.
Dist.: WIa3, WIb.
Ref.: Welch 1976, Buck & Steere 1983.
Leskeodon pungens (Mitt.) Broth.
Dist.: SA7.
Alt.: 750 m.
Ref.: Menzel 1992.
Leskeodon pusillus (Mitt.) Broth.
Dist.: CA6, SA0, SA8, WIb.
Ref.: Welch 1976, Churchill 1989.
Leskeodon wallisii (C. Müll.) Broth.
Dist.: SA0.
Ref.: Churchill 1989.
Leucobryum albidum (Brid. ex P. Beauv.) Lindb.
Dist.: NA4b, NA5, CA1, CA2, CA3, CA6, CA7, SA2, SA3, SA5, SA8, SA9, WIa1, WIa3, WIa4, Is G.
Alt.: 1000–2350 m.
Ref.: Gradstein & Florschütz-de Waard 1989.
Leucobryum angustum Hampe
Dist.: SA9.
Ref.: Yano 1981.
Leucobryum antillarum Schimp.
Dist.: NA4b, NA5, CA1, CA2, CA3, CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA7, WIa1, WIa2, WIa3, WIa4, WIa5.
Alt.: 304–2350 m.
Ref.: Florschütz-de Waard 1990, Winkler 1965.
Leucobryum bowringii Mitt.
Dist.: NA5, CA6, SA9, WIa2, Asia, India, Japan, Philippines.
Alt.: 1829–2134 m.
Ref.: Yano 1989.
Leucobryum brevifolium Bartr. in Maguire & Wurdack
Dist.: SA2.
Ref.: Pursell 1973.
Leucobryum calycinum C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.
Leucobryum clavatum Hampe
Dist.: SA9.
Ref.: Yano 1981.
Leucobryum crispum C. Müll.
Syn.: *Leucobryum subulatum* Hampe
Dist.: NA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIa1, WIa3, WIa4, WIa5, WIb.
Alt.: 500–2400 m.
Ref.: Gradstein & Florschütz-de Waard 1989.
Leucobryum extensum Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Leucobryum flavo-mucronatum C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.
Leucobryum fragile Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Leucobryum giganteum C. Müll.
Syn.: *Leucobryum robustum* Sull.
Dist.: NA5, CA6, CA7, SA0, SA2, SA3, SA5, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa4. WIa5.
Alt.: 900–2800 m.
Ref.: Gradstein & Florschütz-de Waard 1989.
Leucobryum glaucum (Hedw.) Ångstr.
Dist.: SA0, SA9.
Ref.: Yano 1981, Churchill 1989.

Leucobryum goyazense Broth.
Dist.: SA9.
Ref.: Yano 1981.

Leucobryum incurvifolium C. Müll.
Syn.: *Ochrobryum obtusissimum* Dix.
Dist.: NA4b, NA5, CA1, CA2, CA4, CA5, Africa.
Ref.: Peterson & Sharp 1980, Allen 1992b.

Leucobryum javense (Brid.) Mitt.
Dist.: SA9, Asia, New Guinea.
Ref.: Yano 1989.

Leucobryum juniperoideum (Brid.) C. Müll.
Dist.: SA9, Africa.
Ref.: Yano 1981.

Leucobryum laevifolium Broth.
Dist.: SA2, SA3, SA9.
Alt.: 700–2300 m.
Ref.: Gradstein & Florschütz-de Waard 1989.

Leucobryum linealifolium C. Müll.
Dist.: SA8, SA9.
Ref.: Hermann 1976.

Leucobryum macro-falcatum C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.

Leucobryum martianum (Hornsch.) Hampe
Dist.: NA5, CA1, CA2, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIa1, WIa4, WIa5.
Alt.: 440–2800 m.
Ref.: Gradstein & Florschütz-de Waard 1989.

Leucobryum microcarpum C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.

Leucobryum polakowskyi (C. Müll.) Card.
Dist.: NA5, CA1, CA6, SA0, SA2, SA10, WIa1, WIa3, WIa4, WIa5.
Ref.: Buck & Steere 1983, Bizot 1973.

Leucobryum sordidum Ångstr.
Dist.: SA9.
Ref.: Schäfer-Verwimp 1991.

Leucobryum strictum C. Müll. ex Britt.
Dist.: SA8.
Ref.: Hermann 1976.

Leucobryum subandinum Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Leucobryum subobtusifolium (Broth.) Allen
Syn.: *Ochrobryum subobtusifolium* Broth.
Dist.: SA9.
Ref.: Allen 1992b.

Leucobryum tumidum Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Leucobryum uleanum Broth.
Dist.: SA7.
Alt.: 1200 m.
Ref.: Menzel 1992.

Leucodon cryptotheca Hampe
Dist.: NA5, CA, northern SA.
Alt.: 2438–3139 m.
Ref.: Yano 1981.

Leucodon curvirostris Hampe
Syn.: *Leucodon macrosporus* Williams
Dist.: NA5, CA1, CA6, CA7.
Alt.: 1768–2835 m.
Ref.: Crosby 1969b.

Leucodon julaceus (Hedw.) Sull.
Dist.: NA4b, NA5, WIa4.
Alt.: 1219 m.
Ref.: Buck & Steere 1983, Steere 1985.

Leucodon peruvianus Broth.
Dist.: SA7.
Alt.: 2800–2900 m.
Ref.: Menzel 1992.

Leucodon sciuroides (Hedw.) Schwaegr.
Dist.: NA4b, SA9, Africa, Asia, Europe.
Ref.: Yano 1989, Kis 1985.

Leucodon subgracilis Hampe & Fleisch.
Dist.: SA0.
Ref.: Churchill 1989.

Leucoloma aduncum (Hampe) Par.
Dist.: SA9.
Ref.: Yano 1981.

Leucoloma albulum (Sull.) Jaeg.
Dist.: WIa1, WIa5.
Ref.: Crum & Steere 1957, Duarte n.d.

Leucoloma biplicatum (Hampe) Jaeg.
Dist.: SA9.
Ref.: Yano 1981.

Leucoloma caldense C. Müll. ex Ångstr.
Dist.: SA9.
Ref.: Yano 1981.

Leucoloma cruegerianum (C. Müll.) Jaeg. & Sauerb.
Dist.: NA5, CA1, CA2, CA3, CA6, CA7, SA0, SA2, SA3, SA4, SA5, WIa1, WIa3, WIa4, WIa5, WIb.
Alt.: 800–2400 m.
Ref.: Gradstein & Florschütz-de Waard 1989.

Leucoloma ecaudatum (C. Müll.) Kindb.
Dist.: SA2.
Ref.: Pursell 1973.
Leucoloma itatiaiense Broth.
Dist.: SA9.
Ref.: Yano 1981.
Leucoloma macrodon (Hook.) Jaeg.
Dist.: SA0, SA6, SA8.
Alt.: 3658 m.
Ref.: Steere 1948, Hermann 1976.
Leucoloma mariei Besch.
Dist.: SA2, WIa1, WIa5, WIb.
Alt.: 914 m.
Ref.: Crum & Steere 1957, Duarte n.d.
Leucoloma mollissimum Mitt.
Dist.: SA2, SA6.
Alt.: 914 m.
Ref.: Steere 1948, Pursell 1973.
Leucoloma mosenii Broth.
Dist.: SA9.
Ref.: Yano 1981.
Leucoloma procumbens (Mitt.) Jaeg.
Dist.: SA0, SA2, SA7.
Alt.: 900–1200 m.
Ref.: Menzel 1992, Pursell 1973.
Leucoloma schwaneckeanum (Hampe) Broth.
Dist.: WIa1, WIa5, WIb.
Ref.: Crum & Steere 1957.
Leucoloma serrulatum Brid.
Syn.: *Leucoloma cryptocarpum* (C. Müll.) Jaeg. & Sauerb.
Dist.: NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA7, SA9, WIa1, WIa3, WIa4, WIa5, WIb.
Alt.: 500–2800 m.
Ref.: Gradstein & Florschütz-de Waard 1989.
Leucoloma subimmarginatum (C. Müll.) Jaeg. & Sauerb.
Dist.: NA5, CA6, WIa1.
Alt.: 1010 m.
Ref.: Manuel 1972.
Leucoloma theriotii Ren. & Card.
Dist.: SA9.
Ref.: Yano 1981.
Leucoloma tortellum (Mitt.) Jaeg.
Dist.: CA2, CA6, CA7, SA2, SA3, SA4, SA5, SA9, WIb.
Ref.: Florschütz-de Waard 1990, Crosby 1970a.
Leucoloma triforme (Mitt.) Jaeg.
Dist.: SA9.
Ref.: Schäfer-Verwimp 1991.
Leucomium costaricense Ren. & Card.
Dist.: CA2, CA6.
Ref.: Allen 1987c, Steere 1946.
Leucomium lignicola Spruce ex Mitt.
Dist.: CA1, CA5, CA6, SA0, SA2, SA7, SA9.
Alt.: 320 m.
Ref.: Crosby & Crum 1967, Pursell 1973.
Leucomium steerei Allen & Veling in Allen
Dist.: SA2, SA3, SA9.
Alt.: 1000–1850 m.
Ref.: Allen 1987c, Buck 1990a.
Leucomium strumosum (Hornsch.) Mitt.
Syn.: *Leucomium compressum* Mitt.
Dist.: NA5, CA1, CA3, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIa1, WIa4, WIa5, WIb, Africa, Asia, Cameroon, Java.
Alt.: 0–2300 m.
Ref.: Allen 1987c, Crosby 1970a, Yano 1989.
Leucophanes molleri C. Müll.
Syn.: *Leucophanes calymperatum* C. Müll.
Dist.: CA5, CA6, SA3, SA4, SA5, SA6, SA8, SA9, WIa5, WIb, Africa.
Alt.: 170–462 m.
Ref.: Crosby 1970a, Salazar Allen 1993, Schäfer-Verwimp 1992.
Leviella perserrata P. Varde & Leroy
Dist.: NA5, Africa.
Alt.: 1800–1950 m.
Ref.: Buck 1980b, Delgadillo & Buck 1988.
Limbella bartlettii (Crum & Steere) Buck
Syn.: *Sciaromium bartlettii* Crum & Steere
Dist.: WIa3.
Alt.: 610–792 m.
Ref.: Buck 1988a, Crum & Steere 1958, Steere 1985.
Lindbergia brachyptera (Mitt.) Kindb.
Dist.: NA3, NA4a, NA4b, NA5, Asia, Japan.
Ref.: Cárdenas & Delgadillo 1984.
Lindbergia mexicana (Besch.) Card.
Dist.: NA4, NA5, CA1, SA8.
Alt.: 1067–3094 m.
Ref.: Hermann 1976.
Lindbergia ovata Thér.
Dist.: NA5.
Ref.: Thériot 1928.

Lindbergia patentifolia Dix.
Dist.: SA9, Africa.
Alt.: 1750 m.
Ref.: Schäfer-Verwimp 1992.

Lindigia debilis (Mitt.) Jaeg.
Syn.: *Lindigia curtipes* Hampe
Dist.: CA6, SA0, SA2, SA6, SA8.
Alt.: 2743 m.
Ref.: Visnadi & Allen 1991, Steere 1948.

Loeskeobryum brevirostre (Brid.) Fleisch. ex Broth.
Syn.: *Hylocomium brevirostre* (Brid.) B.S.G.
Dist.: NA3, NA4b, NA5, CA1, WIa3, WIa4, Africa, Caucasus, Europe, Japan.
Alt.: 2400–3240 m.
Ref.: Rohrer 1985, Steere 1985.

Loeskeobryum giganteum (Bartr.) Rohrer
Syn.: *Hylocomium giganteum* Bartr.
Dist.: CA1.
Ref.: Rohrer 1985.

Lopidium concinnum (Hook.) Wils.
Syn.: *Lopidium plumarium* (Mitt.) Hampe
Dist.: SA9, SA10, J Fdez, New Zealand, Tasmania.
Alt.: 200–1000 m.
Ref.: Matteri 1973b, Robinson 1975.

Lorentziella imbricata (Mitt.) Broth.
Syn.: *Lorentziella glauca* C. Müll.
Dist.: SA11, SA12, SA13.
Ref.: Fife 1980, Buck 1985a.

Luisierella barbula (Schwaegr.) Steere
Dist.: NA4b, NA5, CA2, SA9, Bahamas, WIa1, WIa2, WIa3, WIa4, WIa5, WIb, Bermuda, Japan.
Ref.: Deguchi 1987b, Sloover 1983.

Macrocoma brasiliensis (Mitt.) Vitt
Syn.: *Macrocoma capillicaule* (C. Müll. ex Broth.) Vitt
Dist.: SA0, SA9.
Ref.: Vitt 1980, Yano 1981.

Macrocoma frigida (C. Müll.) Vitt
Dist.: NA5, SA0.
Ref.: Vitt 1980, Churchill 1989.

Macrocoma gastonyi Norris & Vitt
Dist.: SA0, WIa4.
Ref.: Vitt 1980, Buck & Steere 1983.

Macrocoma orthotrichoides (Raddi) Wijk & Marg.
Syn.: *Macrocoma filiforme* (Hook. & Grev.) Grout
Dist.: NA5, CA1, SA8, SA9, SA11, India.
Ref.: Vitt 1980, Yano 1981, 1989.

Macrocoma tenuis (Hook. & Grev.) Vitt subsp. *sullivantii* (C. Müll.) Vitt
Dist.: NA4b, NA5, CA1, CA6, SA0, SA7, SA9, SA10, SA12, WIa4, J Fdez, Asia, Japan.
Alt.: 3150 m.
Ref.: Vitt 1980, Robinson 1975.

Macrodictyum proliferum (Mitt.) Hegew.
Dist.: SA9, WIa1, WIa4.
Ref.: Buck & Steere 1983, Hegewald 1978.

Macrodictyum wrightii (Sull.) Hegew.
Dist.: WIa1.
Ref.: Hegewald 1978.

Macromitrium acutissimum C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.

Macromitrium adnatum C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Macromitrium amboricum Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Macromitrium angulicaule C. Müll.
Dist.: SA7, SA11.
Alt.: 1200 m.
Ref.: Menzel 1992, Buck 1985a.

Macromitrium argutum Hampe
Dist.: SA8, SA9.
Ref.: Yano 1981, Hermann 1976.

Macromitrium atratum Herz.
Dist.: SA9.
Ref.: Yano 1981.

Macromitrium atroviride Williams
Dist.: SA8.
Ref.: Hermann 1976.

Macromitrium attenuatum Hampe
Dist.: SA0.
Ref.: Churchill 1989.

Macromitrium brachycarpum Mitt.
Dist.: SA7.
Ref.: Menzel 1992.

Macromitrium brevihamatum Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Macromitrium brotheri C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Macromitrium caldense Ångstr.
Dist.: SA9.
Ref.: Yano 1981.

Macromitrium carionis C. Müll.
Syn.: *Macromitrium altituberculosum* Bartr. in Grout
Dist.: NA5, CA1.
Ref.: Bartram 1949, Bourell 1992, Goffinet 1993.

Macromitrium cataractarum C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.

Macromitrium catharinense Par.
Dist.: SA9.
Ref.: Yano 1981, 1989.

Macromitrium cirrosum (Hedw.) Brid. var. *cirrosum*
Dist.: NA5, CA1, CA2, CA6, CA7, SA0, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIa1, WIa3, WIa4, WIa5, Is G.
Alt.: 500–2400 m.
Ref.: Gradstein & Florschütz-de Waard 1989.

Macromitrium cirrosum (Hedw.) Brid. var. *jamaicense* (Mitt.) Grout
Dist.: CA1, WIa1, WIa2, WIa3, WIa5.
Ref.: Crum & Steere 1957.

Macromitrium cirrosum (Hedw.) Brid. var. *stenophyllum* (Mitt.) Grout
Dist.: CA1, WIa1, WIa2, WIa3, WIa5.
Ref.: Crum & Steere 1957.

Macromitrium constrictum Hampe & Lor.
Dist.: SA6.
Alt.: 1524–1829 m.
Ref.: Steere 1948.

Macromitrium contextum Hampe
Dist.: NA5, CA1, CA2, SA0, SA7, SA9, WIa2.
Alt.: 1750–2100 m.
Ref.: Hegewald & Hegewald 1985.

Macromitrium crassirameum C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.

Macromitrium crenulatum Hampe
Dist.: CA6, SA0, SA8.
Ref.: Bowers 1974, Hermann 1976.

Macromitrium crispatulum Mitt.
Dist.: SA6, SA8.
Alt.: 1524 m.
Ref.: Steere 1948, Hermann 1976.

Macromitrium divaricatum Mitt.
Dist.: SA6.
Alt.: 1524 m.
Ref.: Steere 1948.

Macromitrium diversifolium Broth.
Dist.: SA9.
Ref.: Yano 1981.

Macromitrium divortiarum Sehnem
Dist.: SA9.
Ref.: Yano 1981.

Macromitrium doeringianum Hampe
Dist.: SA9.
Ref.: Yano 1981.

Macromitrium drewii Robins.
Dist.: SA6.
Alt.: 3450–3850 m.
Ref.: Robinson, Holm-Nielsen & Lojtnant 1977.

Macromitrium dubium Schimp. ex C. Müll.
Dist.: SA3, WIb.
Alt.: 1650 m.
Ref.: Buck 1990a.

Macromitrium dussii Broth. in Urban
Dist.: SA2, WI.
Ref.: Pursell 1973.

Macromitrium emarginatum Broth.
Dist.: SA9.
Ref.: Yano 1981.

Macromitrium eriomitrium C. Müll.
Dist.: SA9.
Ref.: Yano 1981, 1989.

Macromitrium fendleri C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.

Macromitrium filicaule C. Müll.
Dist.: southern SA, SA9.
Ref.: Yano 1981.

Macromitrium fimbriatum (P. Beauv.) Schwaegr.
Dist.: SA9, Africa.
Ref.: Yano 1989.

Macromitrium flexuosum Mitt.
Dist.: SA6.
Alt.: 914 m.
Ref.: Steere 1948.

Macromitrium fragilicuspis Card.
Dist.: NA5, CA1.
Ref.: Bartram 1949.

Macromitrium frondosum Mitt.
Dist.: SA6.
Alt.: 2743 m.
Ref.: Steere 1948.

Macromitrium fulgescens Bartr. in Grout
Syn.: *Macromitrium standleyi* Bartr. var. *subundulatum* Bartr.
Dist.: CA6, WI.
Ref.: Bowers 1974.

Macromitrium fusco-aureum Bartr.
Dist.: CA6.
Ref.: Bowers 1974.

Macromitrium galipense C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.

Macromitrium gigasporum Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Macromitrium glabratum Broth. in Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Macromitrium glaziovii Hampe
Dist.: SA9.
Ref.: Yano 1981.

Macromitrium greenmanii Grout
Dist.: CA6, SA7.
Alt.: 3200–3400 m.
Ref.: Bowers 1974, Menzel 1992.

Macromitrium guatemaliense C. Müll.
Dist.: NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA6, SA7, Is G.
Alt.: 1524–3000 m.
Ref.: Gradstein & Weber 1982, Steere 1948.

Macromitrium harrisii Par.
Dist.: SA3, WIa1.
Alt.: 1530 m.
Ref.: Buck 1990a.

Macromitrium herzogii Broth. in Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Macromitrium hoehnei Herz.
Dist.: SA9.
Ref.: Yano 1981.

Macromitrium hornschuchii C. Müll.
Dist.: SA8, SA9.
Ref.: Yano 1981, Hermann 1976.

Macromitrium huigrense Williams
Dist.: SA6.
Alt.: 2896 m.
Ref.: Steere 1948.

Macromitrium intortifolium Hampe in C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Macromitrium laevisetum Mitt.
Dist.: SA6, SA7, SA9.
Alt.: 3200–3400 m.
Ref.: Menzel 1992.

Macromitrium leprieurii Mont.
Syn.: *Macromitrium crumianum* Steere & Buck
Dist.: CA1, SA2, SA3, SA4, SA5, SA9, WIa1.
Alt.: 750–1600 m.
Ref.: Goffinet 1993, Gradstein & Florschütz-de Waard 1989.

Macromitrium lomasense Robins.
Dist.: SA7.
Alt.: 440–780 m.
Ref.: Robinson 1971b.

Macromitrium longifolium (Hook.) Brid.
Syn.: *Macromitrium homalocron* C. Müll.
Dist.: NA5, CA1, CA3, CA4, CA6, SA0, SA2, SA6, SA7, SA8, SA9, WIa2, WIa3, WIa4, Is G.
Alt.: 250–3500 m.
Ref.: Goffinet 1993, Vitt & Ramsay 1985, Steere 1948.

Macromitrium longirostre (Hook.) Schwaegr.
Dist.: SA0, SA9.
Ref.: Yano 1981, Churchill 1989.

Macromitrium macrothele C. Müll.
Dist.: SA2, SA7, SA8.
Alt.: 750–1200 m.
Ref.: Menzel 1992, Hermann 1976.

Macromitrium mammillosum Bartr.
Dist.: NA5, CA6.
Ref.: Bowers 1974, Bourell 1992.

Macromitrium melini Roivainen
Dist.: SA7.
Ref.: Menzel 1992.

Macromitrium microstomum (Hook. & Grev.) Schwaegr.
Syn.: *Macromitrium stratosum* Mitt.
Dist.: NA5, CA1, CA3, CA6, WIa1, WIa2, WIa3, WIa4, WIa5, J Fdez, Australia, Hawaii, Java, New Zealand.
Alt.: 2600 m.
Ref.: Vitt & Ramsay 1985, Robinson 1975, Bourell 1992.

Macromitrium mittenianum Steere
Dist.: SA6.
Alt.: 1524 m.
Ref.: Steere 1948.

Macromitrium mosenii Broth.
Dist.: SA9.
Ref.: Yano 1981.
Macromitrium negrense Mitt.
Dist.: SA9.
Ref.: Yano 1981.
Macromitrium nematosum Bartr.
Dist.: SA9.
Ref.: Yano 1981.
Macromitrium nitidum Hook. & Wils.
Dist.: SA9.
Ref.: Yano 1981, 1989.
Macromitrium nubigenum Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Macromitrium oblongum (Tayl.) Mitt.
Dist.: SA6.
Alt.: 3100 m.
Ref.: Steere 1948.
Macromitrium ovale Mitt.
Dist.: SA6.
Alt.: 914 m.
Ref.: Steere 1948.
Macromitrium pallidum (P. Beauv.) Wijk & Marg.
Dist.: SA9, Africa.
Ref.: Yano 1981.
Macromitrium palmense Williams
Dist.: CA6, WI.
Ref.: Bowers 1974.
Macromitrium parvirete Bartr. in Grout
Dist.: CA6, CA7.
Ref.: Crosby 1969b, Bowers 1974.
Macromitrium pellucidum Mitt.
Dist.: SA2, SA3, SA4, SA5, SA9, WIb.
Ref.: Florschütz-de Waard 1990, Crosby 1970a.
Macromitrium perfragile Bartr.
Dist.: SA9.
Ref.: Yano 1981.
Macromitrium perichaetiale (Hook. & Grev.) C. Müll.
Dist.: SA2, SA3, SA4, SA9, WIa1, WIa5, WIb.
Alt.: 700–2800 m.
Ref.: Gradstein & Florschütz-de Waard 1989.
Macromitrium perreflexum Steere
Dist.: SA6.
Alt.: 3300 m.
Ref.: Steere 1982.
Macromitrium pinnulatum Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Macromitrium podocarpi C. Müll.
Dist.: CA3, CA6, SA0, SA2, SA4, SA5, SA6, SA7, SA9, WIa4, WIa5.
Alt.: 1500–2650 m.
Ref.: Florschütz-de Waard 1990.
Macromitrium portoricense Williams
Dist.: SA0, SA4, SA5, WIa4, WIa5.
Ref.: Florschütz-de Waard 1990.
Macromitrium proliferum Mitt.
Dist.: SA0, SA2, SA9.
Ref.: Yano 1981, Pursell 1973.
Macromitrium pseudofimbriatum Hampe
Dist.: SA9.
Ref.: Yano 1981.
Macromitrium punctatum (Hook. & Grev.) Brid.
Syn.: *Macromitrium sartorii* C. Müll.
Dist.: NA5, CA1, CA2, CA3, CA4, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIa2.
Alt.: 350–2100 m.
Ref.: Gradstein & Florschütz-de Waard 1989.
Macromitrium pyriforme C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.
Macromitrium raphidophyllum C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.
Macromitrium refractifolium C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.
Macromitrium regnellii Hampe in C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Macromitrium retusulum C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.
Macromitrium richardii Schwaegr.
Dist.: NA4b, NA5, CA1, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, SA13, WIa2, WIa3, WIa4, WIa5, WIb, Africa.
Alt.: 610–900 m.
Ref.: Buck & Steere 1983, Steere 1948.
Macromitrium rugulosum Ångstr.
Dist.: SA9.
Ref.: Yano 1981.
Macromitrium rusbyanum Britt.
Dist.: SA8.
Ref.: Hermann 1976.

Macromitrium schiffneri Broth.
Dist.: SA9.
Ref.: Yano 1981.

Macromitrium scoparium Mitt.
Dist.: SA0, SA6, SA7, WIa1, WIa4, WIa5, WIb.
Alt.: 610–3400 m.
Ref.: Buck & Steere 1983, Crosby 1970a.

Macromitrium serrulatum Mitt.
Dist.: CA1, CA3, CA5, CA6, CA7, SA0, SA6, SA7, SA8, WIa4.
Alt.: 2100–3400 m.
Ref.: Churchill 1991a, Buck & Steere 1983.

Macromitrium sharpii Crum ex Vitt
Dist.: NA5, CA1.
Ref.: Vitt 1979.

Macromitrium solitarium C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.

Macromitrium standleyi Bartr.
Dist.: CA6, SA3.
Alt.: 2000–2300 m.
Ref.: Gradstein & Florschütz-de Waard 1989.

Macromitrium stellulatum (Hornsch.) Brid.
Dist.: SA0, SA2, SA3, SA4, SA5, SA7, SA8, SA9.
Alt.: 660–900 m.
Ref.: Florschütz-de Waard 1990, Menzel 1992.

Macromitrium stolonigerum C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.

Macromitrium stricticuspis C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.

Macromitrium strictifolium C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Macromitrium subapiculatum Broth.
Dist.: SA9.
Ref.: Yano 1981.

Macromitrium subbrevihamatum Broth. in Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Macromitrium subcirrosum C. Müll.
Dist.: CA6, SA0.
Alt.: 3550 m.
Ref.: Churchill 1991a.

Macromitrium subcrenulatum Broth. in Herz.
Dist.: SA6, SA8.
Alt.: 3200–3600 m.
Ref.: Steere 1948, Hermann 1976.

Macromitrium subdiscretum Williams
Dist.: SA8.
Ref.: Hermann 1976.

Macromitrium sublaeve Mitt.
Dist.: SA6, SA8.
Alt.: 1524 m.
Ref.: Steere 1948, Hermann 1976.

Macromitrium subnitidum C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.

Macromitrium subpaucidens C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.

Macromitrium subperichaetiale Thér.
Dist.: WIa1.
Ref.: Duarte n.d.

Macromitrium subscabrum Mitt.
Dist.: SA6, SA8, SA9.
Alt.: 2438 m.
Ref.: Steere 1948, Hermann 1976.

Macromitrium substrictifolium C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Macromitrium sulcatum (Hook.) Brid.
Dist.: SA9, Asia.
Ref.: Yano 1989.

Macromitrium swainsonii (Hook.) Brid.
Dist.: NA5, SA0, SA2, SA8, SA9, WIa1, WIa2.
Ref.: Grout 1944, Yano 1981, Hermann 1976.

Macromitrium tocaremae Hampe
Dist.: SA0, SA7, SA8.
Alt.: 2150 m.
Ref.: Menzel 1992, Hermann 1976.

Macromitrium tonduzii Ren. & Card.
Dist.: CA6, SA0.
Alt.: 2338 m.
Ref.: Churchill 1991a.

Macromitrium trachypodium Mitt.
Dist.: SA0, SA3, SA6, SA7.
Alt.: 1650–3400 m.
Ref.: Robinson, Holm-Nielsen & Jeppesen 1971.

Macromitrium trinitense Williams
Dist.: SA0, SA3, SA4, WIb.
Alt.: 500–3000 m.
Ref.: Gradstein & Florschütz-de Waard 1989.

Macromitrium ulophyllum Mitt.
Dist.: CA7, SA0, SA2, SA3, SA6, SA8.
Alt.: 1200–1650 m.
Ref.: Goffinet 1993, Gradstein & Florschütz-de Waard 1989.

Macromitrium undatum C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Macromitrium urceolatum (Hook.) Brid.
Dist.: SA9, SA12, Africa, Asia.
Ref.: Yano 1981.

Macromitrium validum Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Macromitrium venezuelense Par.
Dist.: SA2.
Ref.: Pursell 1973.

Macromitrium vesiculatum (Herz.) Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Macromitrium viticulosum (Raddi) Brid.
Dist.: SA9.
Ref.: Yano 1981.

Macromitrium williamsii Bartr.
Dist.: CA6.
Ref.: Bowers 1974.

Macromitrium zikanii Herz.
Dist.: SA9.
Ref.: Yano 1981.

Maguireella vulpina (Mont.) Buck
Syn.: *Potamium vulpinum* (Mont.) Mitt.
Dist.: SA0, SA2, SA3, SA4, SA5, SA7, SA9.
Alt.: 100 m.
Ref.: Florschütz-de Waard 1992, Buck 1990a, Buck & Vital 1992.

Mandoniella spicatinervia (Williams) Herz.
Dist.: SA8.
Ref.: Buck 1981c, Hermann 1976.

Meesia lavardei Thér.
Dist.: SA0.
Ref.: Churchill 1989.

Meesia longiseta Hedw.
Dist.: NA, CA1, CA4, SA0, Asia, Europe.
Ref.: Bartram 1949, Churchill 1989.

Meesia ulei C. Müll.
Dist.: CA, SA9.
Ref.: Yano 1981.

Meiothecium boryanum (C. Müll.) Mitt.
Syn.: *Sauloma wrightii* C. Müll.
Dist.: NA5, CA4, CA6, SA2, SA3, SA4, SA5, SA6, SA9, WIa4, WIa5, WIb.
Alt.: 750–1372 m.
Ref.: Buck 1982b, Florschütz-de Waard 1990.

Meiothecium revolubile Mitt.
Dist.: SA2, SA9.
Ref.: Buck 1982b, Pursell 1973.

Meiothecium urceolatum (Schwaegr.) Mitt.
Dist.: SA9, Tristan da Cunha.
Ref.: Yano 1989.

Meiothecium wrightii (C. Müll.) Broth.
Dist.: WIa1, WI.
Ref.: Duarte n.d.

Mesonodon flavescens (Hook.) Buck
Syn.: *Campylodontium onustum* (Hampe) Jaeg.
Dist.: CA6, SA0, SA2, SA6, SA7, SA8, WIa4, Africa.
Alt.: 1050 m.
Ref.: Buck 1980b, 1983, Menzel 1992.

Mesonodon regnellianus (C. Müll.) Buck
Dist.: SA9.
Ref.: Buck 1980b.

Mesonodon regnellianus (C. Müll.) Buck var. *lepyrodontoides* (C. Müll.) Buck
Syn.: *Entodon lepyrodontoides* C. Müll.
Dist.: SA9.
Ref.: Buck 1980b.

Meteoridium remotifolium (C. Müll.) Man.
Syn.: *Meteoriopsis remotifolia* (C. Müll.) Broth.
Dist.: NA5, CA1, CA2, CA3, CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, SA10, SA12, SA13, WIa1, WIa2, WIa3, WIa4, WIa5, WIb.
Alt.: 330–2743 m.
Ref.: Manuel 1977b, Florschütz-de Waard 1990.

Meteoriopsis auronitens (Hornsch.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Meteoriopsis consimilis (Hampe) Broth.
Dist.: CA6.
Ref.: Bowers 1974.

Meteoriopsis squarrosa (Hook.) Fleisch. ex Broth.
Dist.: SA9, Asia.
Ref.: Manuel 1977e, Yano 1989.

Meteoriopsis subambigua (Hampe) Broth. var. *alaris* Herz.
Dist.: SA9.
Ref.: Yano 1981.
Meteorium aongstromii Manuel
Dist.: SA9.
Ref.: Yano 1981.
Meteorium araucariophila Fleisch.
Dist.: SA9.
Ref.: Yano 1989.
Meteorium gerale (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Meteorium illecebraria (C. Müll.) Broth.
Dist.: SA2.
Ref.: Pursell 1973.
Meteorium illecebrum Sull. var. *illecebrum*
Dist.: NA5, CA1, CA3, CA5, CA7, SA0, SA6, SA7, SA9, WIa1, WIa3, WIa4, WIa5.
Alt.: 1000–2450 m.
Ref.: Buck & Steere 1983, Crosby 1969b.
Meteorium illecebrum Sull. var. *latifolium* (Lindb.) Menzel
Dist.: SA7, SA9.
Alt.: 1100–2800 m.
Ref.: Menzel 1992, Yano 1989.
Meteorium illecebrum Sull. var. *teretiforme* Card.
Dist.: SA7.
Alt.: 2800 m.
Ref.: Menzel 1992.
Meteorium medium (Ångstr.) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Meteorium pseudosinuatum (C. Müll.) Broth.
Dist.: SA2.
Ref.: Pursell 1973.
Meteorium regnellii (Broth.) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Meteorium riograndense C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Meteorium squamidioides Sehnem
Dist.: SA9.
Ref.: Yano 1989.
Meteorium teres Mitt.
Dist.: NA5, CA, SA6.
Alt.: 1800–2800 m.
Ref.: Steere 1948, Delgadillo 1976.
Meteorium undulifolium Broth. & Thér.
Dist.: CA6.
Ref.: Bowers 1974.
Microcampylopus curvisetus (Hampe) Giese & Frahm
Syn.: *Campylopodium pusillum* (Schimp. ex Besch.) Williams
Dist.: NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA7, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, Is G.
Alt.: 0–2650 m.
Ref.: Giese & Frahm 1985a, Frahm 1991.
Microcampylopus kouroussensis (Ren. & Card.) Richards & Clear
Dist.: SA9, Africa.
Ref.: Yano 1989, Kis 1985.
Microdus barbensis (Ren. & Card.) Broth.
Dist.: CA6.
Ref.: Bowers 1974.
Microdus brasiliensis (Duby) Thér.
Dist.: SA2, SA9, Asia.
Ref.: Yano 1981, Pursell 1973.
Microdus crenulatus (Broth.) Par.
Dist.: SA11.
Ref.: Buck 1985a.
Microdus densus (Hook.) Besch. in Par.
Dist.: SA0, SA2, SA7.
Alt.: 900 m.
Ref.: Menzel 1992, Pursell 1973.
Microdus exiguus (Schwaegr.) Besch. in Par.
Syn.: *Dicranella beyrichii* Hampe ex Kindb.
Dist.: SA6, SA7, SA8, SA9, WIb.
Alt.: 360–450 m.
Ref.: Crosby 1970a, Steere 1948.
Microdus globicarpus (C. Müll.) Par.
Dist.: SA2.
Ref.: Pursell 1973.
Microdus guadalupensis (Mitt.) Broth.
Syn.: *Dicranella guadalupensis* Mitt.
Dist.: WIa5, WIb.
Ref.: Crum & Steere 1957.
Microdus gymnus (C. Müll.) Par.
Dist.: SA9.
Ref.: Yano 1981.
Microdus itatiaiae (C. Müll.) Par.
Dist.: SA9.
Ref.: Yano 1981.
Microdus kunzeanus (C. Müll.) Broth.
Dist.: CA6, SA7, SA8.
Ref.: Bowers 1974, Menzel 1992.

Microdus longifolius (Broth.) Broth.
Dist.: SA7.
Alt.: 900 m.
Ref.: Menzel 1992.
Microdus macrocarpus (Broth. & Irmsch.) Broth.
Dist.: SA0.
Ref.: Churchill 1989.
Microdus martianus (Hampe) Besch.
Syn.: *Dicranella martiana* (Hampe) Hampe
Dist.: SA9.
Ref.: Yano 1981.
Microdus muralis (Hampe) Par.
Dist.: SA0.
Ref.: Churchill 1989.
Microdus paraguensis Besch.
Dist.: SA11.
Ref.: Buck 1985a.
Microdus pusillus (Hampe) Besch. in Par.
Dist.: SA0.
Ref.: Churchill 1989.
Microdus rostratus (C. Müll.) Besch. in Par.
Dist.: SA2.
Ref.: Pursell 1973.
Microdus ulei (C. Müll.) Par.
Dist.: SA9.
Ref.: Yano 1981.
Micromitrium austinii Sull. in Aust.
Syn.: *Nanomitrium austinii* (Sull.) Lindb.
Dist.: NA4b, NA5, CA7, SA9, WIa5.
Ref.: Crosby 1969b.
Micromitrium lacustre (C. Müll.) Crosby
Dist.: SA9.
Ref.: Crosby 1968.
Micromitrium megalosporum Aust.
Syn.: *Nanomitrium megalosporum* (Aust.) Lindb.
Dist.: NA4b, WIa1.
Ref.: Bryan & Anderson 1957, Duarte n.d.
Micromitrium perexiguum (C. Müll.) Crosby
Dist.: SA9.
Ref.: Crosby 1968.
Micromitrium subaequinoctale (Broth.) Crosby
Dist.: SA9.
Ref.: Crosby 1968.
Micromitrium telephorothecum (Florsch.-de Waard) Crosby
Dist.: SA0, SA4, SA9.
Alt.: 325 m.
Ref.: Florschütz-de Waard 1990, Yano 1989.
Micromitrium wrightii (C. Müll.) Crosby
Dist.: WIa1.
Ref.: Crosby 1968, Duarte n.d.
Microthamnium smithii Williams
Dist.: SA0.
Ref.: Churchill 1989.
Mielichhoferia angustata Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Mielichhoferia antisanensis (Bartr.) Robins.
Dist.: SA0.
Ref.: Churchill 1989.
Mielichhoferia argentifolia Mitt.
Syn.: *Haplodontium mexicanum* Card.
Dist.: NA5, SA6, SA7.
Alt.: 3810–4570 m.
Ref.: Sharp, Crum & Eckel 1994, Steere 1948, Menzel 1992.
Mielichhoferia aristata Herz.
Dist.: SA7.
Alt.: 4700 m.
Ref.: Menzel 1992.
Mielichhoferia aristatula Broth.
Dist.: SA7.
Alt.: 2100 m.
Ref.: Menzel 1992.
Mielichhoferia brachycarpa Broth.
Dist.: SA9.
Ref.: Yano 1981.
Mielichhoferia brachyclada (Broth. in Felipp.) Shaw & Crum
Dist.: SA13.
Ref.: Shaw & Crum 1984.
Mielichhoferia bryocarpa Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Mielichhoferia canescens C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.
Mielichhoferia castanea Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Mielichhoferia clavitheca Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Mielichhoferia cuspidata (Herz.) Shaw & Crum
Dist.: SA8.
Ref.: Shaw & Crum 1984.

Mielichhoferia elegans Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Mielichhoferia emergens (C. Müll.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Mielichhoferia gracilis Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Mielichhoferia grammocarpa C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Mielichhoferia gymna C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.
Mielichhoferia julacea Shaw & Crum
Syn.: *Mielichhoferia herzogii* Broth. ex Herz.
Dist.: SA7, SA8.
Alt.: 3850 m.
Ref.: Shaw & Crum 1984, Menzel 1992.
Mielichhoferia lonchocarpa C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.
Mielichhoferia longipes C. Müll.
Dist.: SA7, SA8.
Alt.: 2750 m.
Ref.: Menzel 1992, Hermann 1976.
Mielichhoferia longiseta C. Müll.
Dist.: CA, SA6, SA8, J Fdez.
Alt.: 2400–5000 m.
Ref.: Robinson 1975, Steere 1948.
Mielichhoferia macrodonta Broth.
Dist.: CA6, SA8.
Ref.: Bowers 1974, Hermann 1976.
Mielichhoferia macrospora Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Mielichhoferia megalocarpa Arnott
Syn.: *Haplodontium jamesonii* (Tayl.) Hampe
Dist.: SA0, SA6, SA7, SA8, SA9.
Alt.: 4570 m.
Ref.: Steere 1948, Menzel 1992.
Mielichhoferia microcarpa Broth.
Dist.: SA7.
Alt.: 2200–2500 m.
Ref.: Menzel 1992.
Mielichhoferia microdonta Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Mielichhoferia micropoma C. Müll.
Dist.: southern SA, SA8.
Ref.: Hermann 1976.
Mielichhoferia minutifolia C. Müll.
Dist.: CA6, SA8.
Ref.: Bowers 1974, Hermann 1976.
Mielichhoferia minutissima C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.
Mielichhoferia modesta C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.
Mielichhoferia plagiobryoides Broth.
Dist.: SA7.
Alt.: 4400 m.
Ref.: Menzel 1992.
Mielichhoferia plumosa C. Müll.
Dist.: SA7.
Ref.: Menzel 1992.
Mielichhoferia praticola Card.
Dist.: CA6.
Ref.: Bowers 1974.
Mielichhoferia rigidula Schimp.
Dist.: SA8.
Ref.: Hermann 1976.
Mielichhoferia secundifolia Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Mielichhoferia seriata Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Mielichhoferia seriolum (C. Müll.) Jaeg.
Dist.: SA7.
Ref.: Menzel 1992.
Mielichhoferia serrae C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Mielichhoferia striidens C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Mielichhoferia subcampylocarpa Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Mielichhoferia subcampylotheca Hampe in C. Müll.
Dist.: SA7.
Ref.: Menzel 1992.
Mielichhoferia subclavitheca Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Mielichhoferia subminutifolia Broth.
Dist.: SA7.
Alt.: 3650–4800 m.
Ref.: Menzel 1992.
Mielichhoferia ulei C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Mielichhoferia ventricosa Schimp.
Dist.: SA8.
Ref.: Hermann 1976.
Mittenothamnium andicola (Hook.) Card.
Dist.: SA0, SA6, SA7, SA8, SA9.
Alt.: 2600–3000 m.
Ref.: Steere 1948, Menzel 1992.
Mittenothamnium aptychella (Broth.) Card.
Dist.: SA9.
Ref.: Yano 1981.
Mittenothamnium atroviride (Besch.) Card.
Dist.: CA6.
Ref.: Bowers 1974.
Mittenothamnium burelae (Herz.) Herm.
Dist.: SA8.
Ref.: Hermann 1976.
Mittenothamnium camptorrhynchum (Hampe) Card.
Dist.: SA9.
Ref.: Yano 1981.
Mittenothamnium capillirameum (C. Müll.) Card.
Dist.: SA8.
Ref.: Hermann 1976.
Mittenothamnium decurrens (Herz.) Wijk & Marg.
Dist.: SA8.
Ref.: Hermann 1976.
Mittenothamnium delicatulum (Broth.) Card.
Dist.: SA9.
Ref.: Yano 1981.
Mittenothamnium ekmanii (Thér.) Crum & Steere
Syn.: *Microthamnium ekmanii* Thér.
Dist.: WIa3.
Ref.: Crum & Steere 1958.
Mittenothamnium eurystomum (Besch.) Card.
Dist.: SA11.
Ref.: Buck 1985a.
Mittenothamnium expallescens (Hampe) Card.
Dist.: SA7, SA9.
Ref.: Menzel 1992.
Mittenothamnium glaucissimum (Geh.) Card.
Dist.: SA9.
Ref.: Yano 1981.
Mittenothamnium heterostachys (Hampe) Card.
Dist.: SA8, SA9.
Ref.: Yano 1981, Hermann 1976.
Mittenothamnium hookerioides (Herz.) Herm.
Dist.: SA8.
Ref.: Hermann 1976.
Mittenothamnium humile (Besch.) Card.
Dist.: SA8, SA9, SA11.
Ref.: Hermann 1976, Buck 1985a.
Mittenothamnium incompletum (Fleisch.) Card.
Dist.: CA6, SA6, SA7, SA8.
Ref.: Steere 1948, Bowers 1974.
Mittenothamnium iporanganum (Besch. & Geh.) Card.
Dist.: SA9.
Ref.: Yano 1981.
Mittenothamnium isopterygioides (Ren. & Card.) Card.
Dist.: CA6, Africa.
Ref.: Bowers 1974.
Mittenothamnium jamesonii (Tayl.) Card.
Dist.: SA6.
Alt.: 2743–3000 m.
Ref.: Steere 1948.
Mittenothamnium langsdorffii (Hook.) Card.
Syn.: *Mittenothamnium acrorrhizon* (Hornsch.) Card.
Dist.: CA1, CA6, SA0, SA2, SA6, SA7, SA8, SA9, WIa4.
Alt.: 1676–2600 m.
Ref.: Buck & Steere 1983, Steere 1948.
Mittenothamnium laxulum (Bartr.) Bowers
Dist.: CA6.
Ref.: Bowers 1974.
Mittenothamnium lehmannnii (Besch.) Card.
Dist.: CA1, CA3, CA6, SA0, SA2.
Alt.: 1380–2060 m.
Ref.: Steere & Chapman 1946, Winkler 1965.
Mittenothamnium loriforme (Hampe) Card.
Dist.: SA0.
Ref.: Churchill 1989.
Mittenothamnium macrodontium (Hornsch.) Card.
Dist.: SA2, SA9.
Ref.: Yano 1981, Pursell 1973.
Mittenothamnium minusculifolium (C. Müll.) Card.
Dist.: CA1, CA6, SA2, SA8, WIa3, WIa4.
Ref.: Buck & Steere 1983, Pursell 1973.
Mittenothamnium modestum (Herz.) Wijk & Marg.
Dist.: SA8.
Ref.: Hermann 1976.
Mittenothamnium mycostelium (Hampe) Card.
Dist.: SA9.
Ref.: Yano 1981.

Mittenothamnium nanopolymorphum (C. Müll.) Card.
Dist.: SA2.
Ref.: Pursell 1973.
Mittenothamnium oxyrrhynchioides (Broth.) Steere
Dist.: SA6.
Alt.: 900 m.
Ref.: Steere 1948.
Mittenothamnium oxystegum (Mitt.) Card.
Dist.: SA7, SA8.
Alt.: 550–1750 m.
Ref.: Menzel 1986b, 1992, Hermann 1976.
Mittenothamnium pachnocarpum (C. Müll. ex Broth.) Buck
Dist.: SA11.
Ref.: Buck 1985a.
Mittenothamnium pachythecium (Hampe) Card.
Dist.: SA9.
Ref.: Yano 1981.
Mittenothamnium plumosum (Herz.) Wijk & Marg.
Dist.: SA8.
Ref.: Hermann 1976.
Mittenothamnium puiggarii (Geh. & Hampe) Card.
Dist.: SA9.
Ref.: Yano 1981.
Mittenothamnium reptans (Hedw.) Card.
Syn.: *Mittenothamnium mexicanum* (Besch.) Card.
Dist.: NA5, CA1, CA2, CA3, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5.
Alt.: 500–3000 m.
Ref.: Nishimura & Ando 1986, Crosby 1969b.
Mittenothamnium rivulare (Broth.) Steere
Dist.: SA6.
Alt.: 900–1000 m.
Ref.: Steere 1948.
Mittenothamnium robustiusculum (Broth. in Herz.) Wijk & Marg.
Dist.: SA8.
Ref.: Hermann 1976.
Mittenothamnium rostratulum (Ren. & Card.) Card.
Dist.: CA6.
Ref.: Bowers 1974.
Mittenothamnium rostratum (Ren. & Card.) Card.
Dist.: CA6.
Ref.: Bowers 1974.
Mittenothamnium salleanum (Besch.) Card.
Dist.: NA5, CA2, WIa1.
Ref.: Buck 1990c.
Mittenothamnium scalpellifolium (C. Müll.) Crum
Syn.: *Plagiothecium scalpellifolium* (C. Müll.) Bartr.
Dist.: NA5, CA1, CA2, CA3, CA4, CA5, CA7, SA0, WIa1, WIa4.
Alt.: 165–2220 m.
Ref.: Ireland 1984, Buck & Steere 1983.
Mittenothamnium sellovii (Hornsch.) Card.
Dist.: SA9.
Ref.: Yano 1981.
Mittenothamnium simorhynchum (Hampe) Card.
Dist.: SA8, SA9.
Ref.: Yano 1981, Hermann 1976.
Mittenothamnium sordidum (Ren. & Card.) Card.
Dist.: CA6.
Ref.: Bowers 1974.
Mittenothamnium stigmopyxis (C. Müll.) Card.
Dist.: SA8.
Ref.: Hermann 1976.
Mittenothamnium subcampaniforme (Geh. & Hampe) Card.
Dist.: SA8, SA9, SA11.
Ref.: Yano 1981, Hermann 1976.
Mittenothamnium subdiminutivum (Geh. & Hampe) Card.
Dist.: SA9, WI.
Ref.: Yano 1981.
Mittenothamnium submacrodontium (Geh. & Hampe) Card.
Dist.: SA9.
Ref.: Yano 1981.
Mittenothamnium suboscurum (Hampe) Card.
Dist.: SA0, SA2, SA6, SA8.
Alt.: 1829 m.
Ref.: Steere 1948, Hermann 1976.
Mittenothamnium substriatum (Mitt.) Card.
Dist.: SA0, SA6, SA9.
Ref.: Steere 1948, Churchill 1989.
Mittenothamnium tamarisciforme (Hampe) Card.
Dist.: SA9.
Ref.: Yano 1981.
Mittenothamnium tamariscifrons (Broth. & Geh.) Card.
Dist.: SA9.
Ref.: Yano 1981.

Mittenothamnium tenellum Herm.
Dist.: SA8.
Ref.: Hermann 1976.
Mittenothamnium versipoma (Hampe) Card.
Dist.: SA8, SA9.
Ref.: Yano 1981, Hermann 1976.
Mittenothamnium viscidulum (Hampe) Card.
Dist.: CA, SA0, SA8.
Ref.: Hermann 1976, Churchill 1989.
Mittenothamnium volvatum (Hampe) Card.
Dist.: SA0, SA6, WIa1.
Alt.: 3000–4200 m.
Ref.: Steere 1948, Duarte n.d.
Mniobryum bolivianum Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Mniobryum bracteatum Bartr.
Dist.: SA6.
Ref.: Steere 1948.
Mniomalia viridis (Mitt.) C. Müll.
Dist.: CA1, CA5, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA9.
Alt.: 394–500 m.
Ref.: Gradstein & Florschütz-de Waard 1989.
Mnium arizonicum Amann
Dist.: NA1, NA3, NA4a, NA5.
Ref.: Koponen 1972, 1981b.
Mnium cylindricum Hornsch.
Dist.: NA, SA9.
Ref.: Yano 1981.
Mnium marginatum (With.) P. Beauv.
Dist.: NA, NA5, CA1, Africa, Asia, Europe.
Ref.: Koponen 1979, 1981b.
Moenkemeyera alomifolia C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Moenkemeyera minutifolia C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Moenkemeyera obtusifolia Williams
Dist.: SA8.
Ref.: Hermann 1976.
Moenkemeyera uleana C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Molendoa andina (Mitt.) Broth.
Dist.: SA6.
Alt.: 3048 m.
Ref.: Steere 1948.
Molendoa cucullata (Herz.) Hilp.
Dist.: SA8.
Ref.: Hermann 1976.
Molendoa sendtneriana (B.S.G.) Limpr.
Syn.: *Anoectangium lechlerianum* Mitt.
Dist.: NA1, NA2, NA3, NA4a, NA4b, NA5, CA1, CA3, SA0, SA6, SA7, SA8, SA9, SA12, Asia, Europe.
Alt.: 350–4400 m.
Ref.: Zander 1976, 1977b, Steere 1948.
Molendoa sordida (Mitt.) Steere
Dist.: SA6.
Ref.: Steere 1948.
Molendoa subobtusifolia Broth.
Dist.: SA6.
Ref.: Steere 1948.
Morinia crassicuspis (Robins.) Zand.
Syn.: *Barbula crassicuspis* Robins.
Dist.: NA5, CA1.
Alt.: 2530–4200 m.
Ref.: Zander 1978a, Robinson 1964.
Morinia ehrenbergiana (C. Müll.) Thér.
Dist.: NA5, CA1, CA6, SA0, SA2, SA7.
Alt.: 2700–4200 m.
Ref.: Zander 1978a, Crum & Richards 1984.
Morinia stenotheca (Thér.) Zand.
Syn.: *Morinia sattoana* Zand., Delg. & Eckel
Dist.: NA5.
Alt.: 3330–3400 m.
Ref.: Zander, Delgadillo & Eckel 1980.
Moseniella brasiliensis Broth.
Dist.: SA9.
Ref.: A. Koponen 1983.
Moseniella ulei (C. Müll. ex Broth.) A. Kop.
Syn.: *Tayloria ulei* C. Müll. ex Broth.
Dist.: SA9.
Ref.: A. Koponen 1977, 1983.
Myrinia brasiliensis (Hampe) Schimp.
Dist.: SA9.
Ref.: Yano 1981.
Neckera andina Mitt.
Dist.: SA6, SA7.
Alt.: 3048–4400 m.
Ref.: Steere 1948, Menzel 1992.
Neckera angustifolia C. Müll.
Dist.: NA5.
Ref.: Smith 1984.
Neckera araucarieti C. Müll.
Dist.: SA9.
Ref.: Schäfer-Verwimp 1991.

Neckera benoistii Thér.
Dist.: SA6.
Alt.: 2800 m.
Ref.: Steere 1948.

Neckera caldensis Lindb. ex Ångstr.
Dist.: SA9.
Ref.: Yano 1981.

Neckera chilensis Schimp. ex Mont.
Dist.: SA0, SA7, SA10.
Alt.: 2900–3100 m.
Ref.: Menzel 1992, Churchill 1989.

Neckera chlorocaulis C. Müll.
Dist.: NA5, CA1, CA6.
Alt.: 1829–3048 m.
Ref.: Bartram 1949.

Neckera ehrenbergii C. Müll.
Dist.: NA5, CA1, CA6.
Alt.: 1067–2591 m.
Ref.: Bartram 1949.

Neckera eucarpa Schimp. ex C. Müll.
Dist.: SA7, SA8.
Alt.: 2900–3400 m.
Ref.: Menzel 1992, Hermann 1976.

Neckera jamesonii Tayl.
Dist.: SA2, SA6, SA8, SA9.
Alt.: 3048–3353 m.
Ref.: Steere 1948, Hermann 1976.

Neckera lindigii Hampe
Dist.: SA0, SA6, SA7, SA8.
Alt.: 2150–3000 m.
Ref.: Steere 1948, Menzel 1986b.

Neckera marchalii Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Neckera missionum Sehnem
Dist.: SA9.
Ref.: Yano 1989.

Neckera mollusca Mitt.
Dist.: SA6.
Alt.: 1524–3353 m.
Ref.: Steere 1948.

Neckera nigrescens Schwaegr.
Dist.: SA9, Asia.
Ref.: Yano 1989.

Neckera osculatiana De Not.
Dist.: SA6.
Ref.: Steere 1948.

Neckera pachycarpa Schimp. ex Besch.
Dist.: NA5.
Ref.: Smith 1985.

Neckera puiggarii Geh. & Hampe
Dist.: SA9.
Ref.: Yano 1981.

Neckera scabridens C. Müll.
Dist.: SA0, SA7, SA9.
Alt.: 2150–3200 m.
Ref.: Menzel 1992, Churchill 1989.

Neckera tenera Hornsch.
Dist.: SA9.
Ref.: Yano 1981.

Neckera trabeculata Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Neckera urnigera C. Müll.
Dist.: NA5, CA1, CA3, CA6, CA7, SA0, WIa4.
Alt.: 1100–3048 m.
Ref.: Buck & Steere 1983, Steere 1985.

Neckera wercklei Broth. & Thér.
Dist.: CA6, WI.
Ref.: Bowers 1974.

Neckeradelphus obtusifolius (Tayl.) Steere
Syn.: *Neckera obtusifolia* Tayl.
Dist.: SA0, SA6.
Alt.: 3200–3500 m.
Ref.: Steere 1948.

Neckeradelphus spruceanus (Mitt.) Steere
Syn.: *Neckera spruceana* Mitt.
Dist.: SA0, SA6.
Alt.: 2800–3353 m.
Ref.: Steere 1948.

Neckeropsis amazonica (Mitt.) Fleisch.
Dist.: SA9.
Ref.: Yano 1981.

Neckeropsis crispa (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1989.

Neckeropsis disticha (Hedw.) Kindb.
Dist.: NA4b, NA5, CA1, CA2, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, SA11, WIa1, WIa3, WIa4, WIa5, WIb, Africa.
Alt.: 100–1000 m.
Ref.: Sloover 1977, Reese 1979a.

Neckeropsis foveolata (Mitt.) Broth. in Par.
Dist.: CA1, CA6, SA9, Africa.
Ref.: Bowers 1974.

Neckeropsis inundata (Broth.) Broth.
Dist.: western SA, SA9.
Ref.: Yano 1981.

Neckeropsis microtheca (Herz.) Broth.
Syn.: *Neckera microtheca* (Herz.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Neckeropsis pabstiana (C. Müll.) Broth.
Dist.: SA9, SA11.
Ref.: Yano 1981, Buck 1985a.
Neckeropsis persplendida C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Neckeropsis ralstiana (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1989.
Neckeropsis serrophila C. Müll.
Dist.: SA9.
Ref.: Yano 1989.
Neckeropsis undulata (Hedw.) Reichardt
Dist.: NA4b, NA5, CA1, CA2, CA3, CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, SA11, WIa1, WIa2, WIa3, WIa4, WIa5, WIb.
Alt.: 160–2134 m.
Ref.: Reese 1979a, Florschütz-de Waard 1990.
Neckeropsis villae-ricae (Besch.) Broth. ex Par.
Dist.: SA9, SA11.
Ref.: Yano 1981, Buck 1985a.
Nematocladia tesserata Buck
Dist.: NA5.
Ref.: Buck 1982a.
Neohyophila sprengelii (Schwaegr.) Crum var. *sprengelii*
Syn.: *Neohyophila spathulifolia* (Bartr.) Crum
Dist.: NA4b, NA5, CA1, CA2, CA4, SA2, SA9, WIa1, WIa2, WIa3, WIa4, WIb.
Ref.: Zander 1983a, Buck & Steere 1983.
Neohyophila sprengelii (Schwaegr.) Crum var. *stomatodonta* (Card.) Zand.
Dist.: NA4a, NA5, CA1, CA4, SA9, WIa1, WIa2.
Ref.: Zander 1983a, Bizot 1973.
Neolindbergia flagellifera Thér.
Dist.: WIa1.
Ref.: Duarte n.d.
Neosharpiella aztecorum Robins. & Delg.
Dist.: NA5.
Ref.: Robinson & Delgadillo 1973.
Neosharpiella turgida (Mitt.) Robins. & Delg.
Dist.: SA6, SA8, SA10.
Alt.: 4200–4700 m.
Ref.: Robinson & Delgadillo 1973.
Notoligotrichum mexicanum (G. L. Sm.) G. L. Sm.
Syn.: *Psilopilum mexicanum* G. L. Sm.
Dist.: NA5.
Ref.: Smith 1969, 1971.
Notoligotrichum trichodon (Hook. f. & Wils.) G. L. Sm.
Syn.: *Psilopilum trichodon* (Hook. f. & Wils.) Mitt.
Dist.: SA0, SA6, SA7, SA8, Africa.
Alt.: 4400–4500 m.
Ref.: Smith 1971, Menzel 1992.
Ochrobryum gardneri (C. Müll.) Lindb.
Syn.: *Ochrobryum crumii* Robins.
Dist.: NA5, CA1, CA3, CA4, CA5, CA6, CA7, SA0, SA2, SA8, SA9, Africa.
Alt.: 105–2200 m.
Ref.: Allen 1992b, Bowers 1974, Winkler 1965, Yano 1989.
Ochrobryum sessile Allen
Dist.: CA6, CA7, SA0, SA2.
Alt.: 700–2000 m.
Ref.: Allen 1992b.
Ochrobryum subulatum Hampe in Besch.
Syn.: *Ochrobryum stenophyllum* Besch.
Dist.: SA2, SA8, SA9, Africa, Asia.
Alt.: 100–1650 m.
Ref.: Allen 1992b, Hermann 1976.
Octoblepharum africanum (Broth.) Card.
Dist.: SA9, Africa.
Ref.: Yano 1989.
Octoblepharum albidum Hedw.
Dist.: NA4b, NA5, CA1, CA2, CA3, CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, SA11, Bahamas, WIa1, WIa3, WIa4, WIa5, WIb, Is G, Africa, Asia, Australia, Oceania.
Alt.: 100–2800 m.
Ref.: Gradstein & Florschütz-de Waard 1989, Salazar Allen 1991.
Octoblepharum ampullaceum Mitt.
Dist.: SA2, SA7, SA9, WIb.
Alt.: 900–1900 m.
Ref.: Crosby 1970a, Yano 1989, Menzel 1992.
Octoblepharum cocuiense Mitt.
Syn.: *Octoblepharum fragillimum* Ångstr.
Dist.: CA2, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA7, SA8, SA9, WIa1.
Alt.: 550–2800 m.
Ref.: Gradstein & Florschütz-de Waard 1989, Salazar Allen 1991.

Octoblepharum costatum Crum in Mägd.
Dist.: SA0.
Ref.: Churchill 1989.

Octoblepharum cylindricum Mont.
Dist.: CA2, SA2, SA3, SA4, SA5, SA7, SA9, WIa2, WIa4, WIa5.
Alt.: 200–650 m.
Ref.: Gradstein & Florschütz-de Waard 1989, Salazar Allen 1991.

Octoblepharum erectifolium Mitt. ex Williams
Dist.: NA5, CA1, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA9, WIa1, WIa2, WIa4, WIb.
Alt.: 700–2800 m.
Ref.: Gradstein & Florschütz-de Waard 1989, Salazar Allen 1991.

Octoblepharum pulchricoma C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Octoblepharum pulvinatum (Dozy & Molk.) Mitt.
Dist.: NA5, CA1, CA2, CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIa1, WIa3, WIa4, WIa5.
Alt.: 183–700 m.
Ref.: Florschütz-de Waard 1990, Duarte n.d., Salazar Allen 1991.

Octoblepharum rhaphidostegium C. Müll. ex Besch.
Dist.: SA9.
Ref.: Yano 1981.

Octoblepharum stramineum Mitt.
Dist.: CA7, SA0, SA2, SA3, SA4, SA5, SA7, SA9.
Alt.: 325–900 m.
Ref.: Florschütz-de Waard 1990, Menzel 1992, Salazar Allen 1991.

Octoblepharum tatei (Williams) Bartr.
Dist.: SA2.
Ref.: Pursell 1973.

Oligotrichum aligerum Mitt.
Dist.: NA, NA5, CA6, WIa4, Asia, Japan, Taiwan.
Alt.: 1840–2800 m.
Ref.: Smith 1971, Buck & Steere 1983.

Oligotrichum denudatum Merrill
Dist.: SA9.
Alt.: 1000 m.
Ref.: Merrill 1991.

Oligotrichum erosum (Hampe) Lindb.
Dist.: CA6, SA0, SA7, SA8, WI.
Alt.: 1050 m.
Ref.: Smith 1971, Menzel 1992.

Oligotrichum gymnostomulum (C. Müll.) Kindb.
Syn.: *Psilopilum gymnostomulum* (C. Müll.) Par.
Dist.: SA8, SA12.
Ref.: Brotherus 1925.

Oligotrichum riedelianum (Mont.) Mitt.
Dist.: SA9.
Ref.: Smith 1971, Yano 1989.

Oreoweisia ampliata Mitt.
Dist.: SA6.
Ref.: Steere 1948.

Oreoweisia brasiliensis Hampe
Dist.: SA0, SA7, SA9.
Alt.: 1200–3050 m.
Ref.: Griffin 1986, Menzel 1992.

Oreoweisia delgadilloi Robins. & Bowers
Dist.: NA5, SA.
Alt.: 2400–2700 m.
Ref.: Griffin 1986, Robinson & Bowers 1974.

Oreoweisia erosa (Hampe in C. Müll.) Kindb.
Syn.: *Oreoweisia ligularis* Mitt.
Dist.: NA5, SA0, SA2, SA6, SA7, SA8, SA12, Africa.
Alt.: 2800–4400 m.
Ref.: Griffin 1975a, 1986, Hermann 1976, Menzel 1992.

Oreoweisia laxiretis Broth. ex Herz.
Dist.: SA2, SA8.
Alt.: 3390 m.
Ref.: Griffin 1975a, 1986, Hermann 1976.

Oreoweisia mexicana Robins.
Dist.: NA5.
Alt.: 3200 m.
Ref.: Robinson 1965, Griffin 1986.

Oreoweisia tunariensis Herz.
Dist.: SA2, SA7, SA8.
Alt.: 3100 m.
Ref.: Griffin 1986, Robinson 1965.

Orthodontium denticulatum Geh. & Hampe
Dist.: SA9.
Ref.: Schäfer-Verwimp 1991.

Orthodontium gracile Schwaegr. ex B.S.G.
Dist.: NA4a, NA5, CA1, CA6, SA0, SA6, SA7, SA8, SA10, WI, J Fdez, Africa, Europe.
Alt.: 2591–3658 m.
Ref.: Sloover 1979, Allen 1988.

Orthodontium itacolumitis C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Orthodontium longisetum Hampe
Dist.: SA0.
Ref.: Churchill 1989.
Orthodontium pellucens (Hook.) B.S.G. in C. Müll.
Dist.: NA4a, NA4b, NA5, CA1, CA6, SA0, SA2, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, Is G, Hawaii.
Alt.: 2000–3353 m.
Ref.: Koponen & Norris 1985, Steere 1948.
Orthostichidium aureopallens (Geh. & Hampe) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Orthostichidium auriculare (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Orthostichidium elongatum (Mitt.) Broth.
Dist.: SA7.
Alt.: 1050 m.
Ref.: Menzel 1992.
Orthostichopsis auricosta (C. Müll.) Broth.
Dist.: SA0, SA2, SA6, WIb.
Alt.: 600 m.
Ref.: Robinson, Holm-Nielsen & Jeppesen 1971.
Orthostichopsis incertus Thér.
Dist.: SA6.
Alt.: 3900 m.
Ref.: Steere 1948.
Orthostichopsis praetermissa Buck
Dist.: CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIb.
Alt.: 200–3000 m.
Ref.: Buck 1991b.
Orthostichopsis schiffneri Broth.
Dist.: SA9.
Ref.: Yano 1981.
Orthostichopsis strictula (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Orthostichopsis subtenuis (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Orthostichopsis tenuis (Jaeg.) Broth.
Syn.: *Orthostichopsis pilotrichelloides* (Sehnem) Allen & Crosby
Dist.: SA8, SA9, SA11, SA12.
Ref.: Buck 1991b.
Orthostichopsis tetragona (Sw. ex Hedw.) Broth.
Dist.: NA5, CA1, CA2, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA9, WIa1, WIa2, WIa4, WIb.
Alt.: 450–2743 m.
Ref.: Florschütz-de Waard 1990, Crosby 1970a.
Orthostichopsis tijucae (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Orthostichopsis tortipillis (C. Müll.) Broth.
Syn.: *Orthostichopsis crinita* (Sull.) Broth.
Dist.: SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, SA11, WIa1, WIa4, WIb.
Alt.: 350–2750 m.
Ref.: Gradstein & Florschütz-de Waard 1989.
Orthotrichum aequatoreum Mitt.
Syn.: *Orthotrichum malacophyllum* Card.
Dist.: NA5, CA1, SA0, SA2, SA6, SA7, SA12. Africa.
Alt.: 1700–3800 m.
Ref.: Lewinsky 1984a, Churchill 1991a.
Orthotrichum anomalum Hedw.
Dist.: NA4, NA5, CA1, WIa3, Africa, Asia, Europe.
Alt.: 3500 m.
Ref.: Lewinsky 1984a, Buck & Steere 1983.
Orthotrichum araucarieti C. Müll. ex Broth.
Dist.: SA9, SA13.
Alt.: 0–1150 m.
Ref.: Lewinsky 1987, Yano 1989.
Orthotrichum bartramii Williams
Dist.: NA4a, NA5, CA1.
Alt.: 2900 m.
Ref.: Lewinsky 1984a.
Orthotrichum bolanderi Sull.
Dist.: NA4a, NA5.
Ref.: Vitt 1973.
Orthotrichum cupulatum Hoffm. ex Brid. var. *austro-americanum* Lewinsky
Dist.: SA0, SA7, SA12.
Alt.: 3350–4310 m.
Ref.: Lewinsky 1984a, Churchill 1989.
Orthotrichum cupulatum Hoffm. ex Brid. var. *cupulatum*
Dist.: NA, NA5, Africa, Asia, Australia, Europe, New Zealand, Turkey.
Ref.: Delgadillo & Vitt 1971.

Orthotrichum diaphanum Schrad. ex Brid. var. *diaphanum*
Dist.: NA4, NA5, SA6, SA13, Africa, Asia, Europe, Hawaii.
Alt.: 2500 m.
Ref.: Lewinsky 1984a, Kis 1985.

Orthotrichum diaphanum Schrad. ex Brid. var. *podocarpi* (C. Müll.) Lewinsky
Dist.: SA8, SA9, SA12, SA13.
Alt.: 0–2000 m.
Ref.: Lewinsky 1984a, Yano 1989.

Orthotrichum elongatum Tayl.
Dist.: SA0, SA2, SA6, SA7, SA8.
Alt.: 2438–4300 m.
Ref.: Lewinsky 1987, Griffin 1975a.

Orthotrichum exsertisetum C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.

Orthotrichum hallii Sull. & Lesq.
Dist.: NA, NA5.
Alt.: 2300 m.
Ref.: Vitt 1973.

Orthotrichum hortoniae Vitt
Dist.: NA5, CA1.
Ref.: Vitt 1979.

Orthotrichum johnstonii Bartr.
Dist.: SA10.
Alt.: 0 m.
Ref.: Lewinsky 1987.

Orthotrichum latimarginatum Lewinsky
Dist.: SA6, SA7.
Alt.: 3700–4000 m.
Ref.: Lewinsky 1987.

Orthotrichum laxifolium Wils. in Mitt.
Syn.: *Orthotrichum epilosum* Williams
Dist.: SA6, SA8.
Alt.: 3300–3901 m.
Ref.: Lewinsky 1987, Steere 1948.

Orthotrichum liliputanum Broth. in Herz.
Dist.: SA8.
Alt.: 2000 m.
Ref.: Lewinsky 1984a, Hermann 1976.

Orthotrichum lyellii Hook. & Tayl.
Dist.: NA, NA5, Africa, Europe.
Ref.: Vitt 1973.

Orthotrichum mandonii Schimp. ex Hampe
Syn.: *Orthotrichum sordidulum* C. Müll.
Dist.: SA0, SA6, SA7, SA8.
Alt.: 2200–3500 m.
Ref.: Lewinsky 1987, Hermann 1976.

Orthotrichum pallens Brid. var. *johnseniae* Vitt
Dist.: NA4a, NA5.
Ref.: Vitt 1973.

Orthotrichum pallens Brid. var. *pallens*
Dist.: NA1, NA2, NA3, NA5, SA2, Asia, Europe.
Ref.: Lewinsky 1984b.

Orthotrichum paraguense Besch.
Dist.: SA9, SA11.
Alt.: 0–950 m.
Ref.: Lewinsky 1987, Yano 1989.

Orthotrichum pariatum Mitt.
Dist.: CA6, SA0, SA2, SA6, SA7, SA8, SA12.
Alt.: 2200–4300 m.
Ref.: Lewinsky 1987, Steere 1948.

Orthotrichum penicillatum Mitt.
Dist.: SA0, SA2.
Alt.: 3000–4000 m.
Ref.: Lewinsky 1984a, Churchill 1989.

Orthotrichum psychrophilum Mont.
Syn.: *Orthotrichum parvum* Herz.
Dist.: SA7, SA8.
Alt.: 4400–5000 m.
Ref.: Lewinsky 1987, Menzel 1992.

Orthotrichum pungens Mitt.
Syn.: *Orthotrichum pumilum* Sw.
Dist.: SA0, SA6, SA7.
Alt.: 2134–4000 m.
Ref.: Lewinsky 1984a, Steere 1948.

Orthotrichum pycnophyllum Schimp. ex C. Müll. var. *pycnophyllum*
Syn.: *Orthotrichum lozanoi* Card.
Dist.: NA4a, NA5, CA1, SA0, SA2, SA6, SA7, SA8, SA12.
Alt.: 800–5791 m.
Ref.: Churchill 1991a, Steere 1948.

Orthotrichum pycnophyllum Schimp. ex C. Müll. var. *verrucosum* (C. Müll.) Lewinsky
Dist.: SA0, SA2, SA6, SA7, SA8, SA9, SA12.
Alt.: 2050–4035 m.
Ref.: Lewinsky 1987, Churchill 1989.

Orthotrichum quenoae C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.

Orthotrichum rupestre Schleich. ex Schwaegr.
Dist.: NA2, NA3, NA4, NA5, SA2, SA6, SA7, SA8, SA10, SA12, Africa, Antarctica, Asia, Australia, Europe, Hawaii; cosmopolitan.
Alt.: 50–5000 m.
Ref.: Lewinsky 1987, Kis 1985.

Orthotrichum sharpii Robins.
Dist.: NA5.
Alt.: 2743 m.
Ref.: Robinson 1964.

Orthotrichum steerei Lewinsky
Dist.: SA0, SA2, SA6, SA8.
Alt.: 3200–4000 m.
Ref.: Lewinsky 1987, Steere 1948.

Orthotrichum subulatum Mitt.
Dist.: SA0, SA6.
Alt.: 2438–3048 m.
Ref.: Lewinsky 1987, Steere 1948.

Orthotrichum trachymitrium Mitt.
Syn.: *Orthotrichum emersulum* C. Müll.
Dist.: NA5, SA0, SA6, SA8.
Alt.: 2700–3800 m.
Ref.: Lewinsky 1984a, Steere 1948.

Oxyrrhynchium altisetum (C. Müll.) Broth.
Dist.: SA9, SA12.
Ref.: Yano 1989.

Oxyrrhynchium clinocarpum (Tayl.) Broth.
Dist.: SA0, SA2, SA6, SA8, SA9, WI.
Alt.: 1219–3300 m.
Ref.: Pursell 1973, Robinson 1967a.

Oxyrrhynchium rigescens (C. Müll.) Broth.
Dist.: WIa1, WI.
Ref.: Duarte n.d.

Oxyrrhynchium rugisetum (Hampe) Herz.
Dist.: SA0, SA8.
Ref.: Hermann 1976, Churchill 1989.

Oxyrrhynchium scabripes (C. Müll.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Oxystegus fallax (Herz.) Hilp.
Dist.: SA8.
Ref.: Hermann 1976.

Oxystegus lignicola (Herz.) Hilp.
Dist.: SA9.
Ref.: Yano 1981.

Oxystegus syrrhopodontoides (Herz.) Hilp.
Dist.: SA8.
Ref.: Hermann 1976.

Oxystegus tenuirostris (Hook. & Tayl.) A. J. E. Sm. var. *gemmiparus* (Schimp.) Zand.
Syn.: *Trichostomum angustifolium* Crum & Steere
Dist.: NA5, SA7, SA9, WIa1, WIa3, Europe, India.
Alt.: 1400–2130 m.
Ref.: Zander 1978c, Menzel 1992.

Oxystegus tenuirostris (Hook. & Tayl.) A. J. E. Sm. var. *stenocarpus* (Thér.) Zand.
Syn.: *Weisiopsis stenocarpus* Thér.
Dist.: NA3, NA4b, NA5.
Ref.: Zander 1982c.

Oxystegus tenuirostris (Hook. & Tayl.) A. J. E. Sm. var. *tenuirostris*
Syn.: *Trichostomum cylindricum* (Bruch ex Brid.) C. Müll.
Dist.: NA1, NA4a, NA4b, NA5, CA1, CA5, CA6, SA0, SA2, SA6, SA7, SA9, Africa, Asia, Europe.
Alt.: 1200–3000 m.
Ref.: Hegewald & Hegewald 1985, Kis 1985.

Palamocladium leskeoides (Hook.) Britt.
Syn.: *Homalothecium leskeoides* (Hook.) Robins.
Dist.: NA4b, NA5, CA1, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, WIa1, WIa3, WIa4.
Alt.: 1100–3600 m.
Ref.: Churchill 1991a, Buck & Steere 1983.

Papillaria araucarietii C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Papillaria bipinnata C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Papillaria brotheri Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Papillaria caldensis Ångstr.
Dist.: SA9.
Ref.: Yano 1981.

Papillaria callochlorosa C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Papillaria capillicuspis C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Papillaria catharinae C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Papillaria catharinensis Par.
Dist.: SA9.
Ref.: Yano 1981.

Papillaria crenifolia C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Papillaria denticulata (Mitt.) Jaeg.
Dist.: SA2, WI.
Ref.: Pursell 1973.

Papillaria deppei (Hornsch. ex C. Müll.) Jaeg. & Sauerb.
Dist.: NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA4, SA6, SA7, SA8, SA9, WIa1, WIa3, WIa4, WIb.
Alt.: 650–2800 m.
Ref.: Florschütz-de Waard 1990, Crosby 1969b.

Papillaria dilatata C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Papillaria flagellifera C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Papillaria flexicaulis (Wils.) Jaeg.
Dist.: SA9, SA10, J Fdez.
Ref.: Noguchi 1976, Robinson 1975.

Papillaria guarapiensis Besch.
Dist.: SA11.
Ref.: Buck 1985a.

Papillaria haitensis Crum & Steere
Dist.: WIa3.
Ref.: Crum & Steere 1958.

Papillaria hyalinotricha C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Papillaria imponderosa (Tayl.) Broth.
Dist.: NA5, CA1, CA3, CA5, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, WIa1, WIa4.
Alt.: 914–2800 m.
Ref.: Buck & Steere 1983, Crosby 1969b.

Papillaria lapidicola C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Papillaria martinicensis Broth. in Urban
Syn.: *Pseudotrachypus pinnatus* P. Varde & Thér.
Dist.: WIa1, WIb.
Ref.: Duarte n.d., Buck 1990c.

Papillaria mosenii Broth.
Dist.: SA9.
Ref.: Yano 1981.

Papillaria nigrescens (Sw. ex Hedw.) Jaeg. & Sauerb.
Dist.: NA4b, NA5, CA1, CA2, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb, Is G, China.
Alt.: 400–2800 m.
Ref.: Florschütz-de Waard 1990, Crosby 1969b.

Papillaria penicillata (Dozy & Molk.) Broth.
Dist.: CA7, SA0, SA2, SA6, SA7, SA8, SA9, WIa2, WIa3, WIa4.
Alt.: 1100–2800 m.
Ref.: Buck & Steere 1983, Steere 1948.

Papillaria perauriculata Broth.
Dist.: SA9.
Ref.: Yano 1981.

Papillaria pilifolia C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Papillaria pseudoappressa C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Papillaria pseudofunalis C. Müll.
Dist.: southern SA, SA2.
Ref.: Pursell 1973.

Papillaria ptychophylla Ångstr.
Dist.: SA9.
Ref.: Yano 1989.

Papillaria socia Ångstr.
Dist.: SA9.
Ref.: Yano 1981.

Papillaria subintegra (Lindb.) Kindb.
Dist.: SA9.
Ref.: Yano 1981.

Papillaria subsquamatula C. Müll.
Dist.: SA0, SA2, SA9.
Ref.: Yano 1981, Pursell 1973.

Papillaria tenella Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Papillaria tijucae C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Papillaria trachyblasta C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Papillaria viridata C. Müll. ex Broth.
Dist.: SA9, SA11.
Ref.: Yano 1981, Buck 1985a.
Paraleucobryum albicans (Schwaegr.) Loeske
Syn.: *Leucobryum albicans* (Schwaegr.) Lindb.
Dist.: CA6, SA0, SA2, SA3, SA6, SA7, SA8, SA9, WIa1, WIa5, WIb.
Alt.: 610–1200 m.
Ref.: Crosby 1970a, Crum & Steere 1957.
Paraleucobryum enerve (Thed. ex Hartm.) Loeske
Syn.: *Dicranum enerve* Thed. in Hartm.
Dist.: NA1, NA2, NA3, NA4a, NA5, SA0, Asia, Europe.
Alt.: 4000 m.
Ref.: Müller & Frahm 1987, Frahm 1991.
Paraleucobryum longifolium (Hedw.) Loeske subsp. *brasiliense* (Broth.) P. Müller & Frahm
Syn.: *Paralecobryum brasiliense* Broth.
Dist.: SA9.
Alt.: 2500–2800 m.
Ref.: Müller & Frahm 1987, Frahm 1991.
Paranapiacabaea paulista Buck & Vital
Dist.: SA9.
Alt.: 500–1140 m.
Ref.: Buck & Vital 1992.
Phascum carinatum Hampe
Dist.: SA9.
Ref.: Yano 1981.
Phascum cuspidatum Schreb. ex Hedw.
Dist.: NA, NA5, SA6, Africa, Caucasus, Europe.
Ref.: Delgadillo & Cárdenas 1979.
Phascum hyalinotrichum Card. & Thér.
Dist.: NA4a, NA5.
Alt.: 2125 m.
Ref.: Cárdenas & Delgadillo 1984.
Philonotis ampliretis Broth.
Dist.: SA9, SA11.
Ref.: Yano 1981, Buck 1985a.
Philonotis andina (Mitt.) Jaeg.
Dist.: SA0, SA6, SA7.
Alt.: 4000–4400 m.
Ref.: Griffin & Hegewald 1986.
Philonotis angulata (Tayl.) Broth.
Dist.: SA0, SA7, WIa4.
Alt.: 2000–3600 m.
Ref.: Griffin & Hegewald 1986.
Philonotis asperrima C. Müll. ex Britt.
Dist.: SA8.
Ref.: Hermann 1976.
Philonotis boliviensis Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Philonotis buckii Griffin
Dist.: NA5.
Ref.: Griffin 1991.
Philonotis caldensis Ångstr.
Dist.: SA9.
Ref.: Yano 1981.
Philonotis cernua (Wils.) Griffin & Buck
Syn.: *Bartramidula cernua* (Wils.) Lindb.
Dist.: NA4b, NA5, CA6, SA7, SA9, China, Europe.
Alt.: 3650–3700 m.
Ref.: Crum & Anderson 1981, Menzel 1992.
Philonotis clavicaulis Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Philonotis corticata Crum & Griffin
Dist.: NA5.
Alt.: 3950 m.
Ref.: Crum & Griffin 1981.
Philonotis crassinervia Broth. & Par.
Dist.: CA6, SA0, SA7.
Alt.: 650 m.
Ref.: Griffin & Hegewald 1986.
Philonotis curta (Hampe) Griffin & Buck
Syn.: *Bartramidula curta* (Hampe) Par.
Dist.: SA9.
Ref.: Griffin & Buck 1989.
Philonotis curvata (Hampe) Jaeg.
Dist.: CA, SA0, SA6, SA8, SA9, SA11, SA12.
Ref.: Steere 1948, Hermann 1976.
Philonotis elegantula (C. Müll.) Par.
Dist.: SA0, SA6, SA7, WIa3.
Alt.: 1500–3950 m.
Ref.: Griffin & Hegewald 1986.

Philonotis elongata (Dism.) Crum & Steere
Dist.: NA5, CA6, SA0, SA2, SA6, SA7, SA8, SA9, WIa4, WIa5, WIb.
Alt.: 650 m.
Ref.: Crum & Griffin 1981, Arrocha 1992.

Philonotis erecta (Mitt.) Griffin & Buck
Syn.: *Bartramidula erecta* (Mitt.) Par.
Dist.: SA6.
Alt.: 2743–3353 m.
Ref.: Steere 1948, Griffin & Buck 1989.

Philonotis eurydictyon Herz.
Dist.: SA7, SA8.
Alt.: 3600 m.
Ref.: Menzel 1992, Hermann 1976.

Philonotis fendleri (C. Müll.) Griffin & Buck
Syn.: *Bartramidula fendleri* (C. Müll.) Par.
Dist.: SA2.
Ref.: Griffin & Buck 1989.

Philonotis filiformis (Hornsch.) Mitt.
Dist.: SA2, SA9.
Ref.: Yano 1981, Pursell 1973.

Philonotis filiramea (C. Müll.) Par.
Dist.: SA8.
Ref.: Hermann 1976.

Philonotis fontana (Hedw.) Brid.
Dist.: NA5, Africa; nearly cosmopolitan.
Ref.: Crum & Griffin 1981, Kis 1985.

Philonotis fontanella Hampe
Dist.: SA0, SA6, SA7, SA8.
Alt.: 3000–3350 m.
Ref.: Griffin & Hegewald 1986.

Philonotis fragilicaulis Williams
Dist.: SA7.
Alt.: 4250 m.
Ref.: Menzel 1992.

Philonotis gardneri (C. Müll.) Jaeg.
Dist.: SA8, SA9, WI.
Ref.: Yano 1981, Hermann 1976.

Philonotis glaucescens (Hornsch.) Broth. var. *glaucescens*
Dist.: NA, CA1, CA3, CA6, SA0, SA6, SA7, SA8, SA9, SA11, WIa1, WIa3, WIa4, WIa5, WIb, Australia.
Alt.: 200–2743 m.
Ref.: Griffin & Hegewald 1986, Bizot 1973.

Philonotis glaucescens (Hornsch.) Broth. var. *terrestris* (Dism.) Flow.
Dist.: SA11.
Ref.: Buck 1985a.

Philonotis glaziovii (Hampe) Griffin & Buck
Syn.: *Bartramidula glaziovii* (Hampe) Par.
Dist.: SA9.
Ref.: Griffin & Buck 1989.

Philonotis gracillima Ångstr.
Dist.: NA4b, NA5, CA1, CA3, CA4, SA0, SA2, SA3, SA4, SA6, SA7, SA9, SA11, WIa1, WIa2, WIa3, WIa4, WIa5.
Alt.: 100–650 m.
Ref.: Griffin & Hegewald 1986, Duarte n.d.

Philonotis hastata (Duby) Wijk & Marg.
Dist.: NA5, SA7, SA8, SA9, Africa, Asia, Australia, Oceania; pantropical.
Alt.: 1000–2750 m.
Ref.: Crum & Griffin 1981, Yano 1989.

Philonotis huallagensis Broth.
Dist.: SA7.
Alt.: 1100 m.
Ref.: Menzel 1992.

Philonotis humilis Brid.
Dist.: SA9, SA11.
Ref.: Yano 1981, Buck 1985a.

Philonotis incana (Tayl.) Robins.
Syn.: *Breutelia anacolioides* Herz.
Dist.: SA6, SA8.
Alt.: 2600–3100 m.
Ref.: Griffin 1992.

Philonotis lignicola Dism. & Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Philonotis lindigii (Hampe) Griffin & Buck
Syn.: *Bartramidula lindigii* (Hampe) Par.
Dist.: SA0.
Ref.: Griffin & Buck 1989.

Philonotis longiseta (Michx.) Britt.
Dist.: NA4b, NA5, CA1, CA3, CA6, SA2, SA7, WIa5.
Alt.: 700–2140 m.
Ref.: Crum & Griffin 1981, Winkler 1965.

Philonotis macrodictya (C. Müll.) Kindb.
Dist.: SA2.
Ref.: Pursell 1973.

Philonotis marchica (Hedw.) Brid.
Dist.: NA, NA5, SA0, Africa.
Ref.: Crum & Griffin 1981, Churchill 1989.

Philonotis mollis (Dozy & Molk.) Mitt.
Dist.: SA9, Asia.
Ref.: Yano 1989.

Philonotis moritziana (Hampe in C. Müll.) Jaeg.
Dist.: SA2.
Ref.: Pursell 1973.
Philonotis nana (C. Müll.) Griffin & Buck
Syn.: *Bartramidula nana* (C. Müll.) Par.
Dist.: SA2.
Ref.: Griffin & Buck 1989.
Philonotis operta Williams
Dist.: SA8.
Ref.: Hermann 1976.
Philonotis osculatiana De Not.
Dist.: SA0, SA6.
Ref.: Steere 1948, Churchill 1989.
Philonotis parallela Dus.
Dist.: SA8, SA9, SA10, SA12.
Alt.: 360–750 m.
Ref.: Matteri 1968, Hermann 1976.
Philonotis patula (Mitt.) Griffin & Buck
Syn.: *Bartramia patula* Mitt.
Dist.: CA1, CA3.
Alt.: 50 m.
Ref.: Griffin & Buck 1989, Winkler 1965.
Philonotis pellucidiretis (C. Müll.) Par.
Dist.: SA8, SA9.
Ref.: Yano 1981, Hermann 1976.
Philonotis pugionifolia C. Müll. ex Britt.
Dist.: SA8.
Ref.: Hermann 1976.
Philonotis revoluta Bosch & Lac.
Dist.: SA0.
Ref.: Churchill 1989.
Philonotis rufiflora (Hornsch.) Reichdt.
Syn.: *Bartramia rufiflora* Hornsch.
Dist.: SA6, SA7, SA8, SA9, WIa4.
Alt.: 1524–4400 m.
Ref.: Buck & Steere 1983, Steere 1948.
Philonotis scabrifolia (Hook. f. & Wils.) Braithw.
Syn.: *Anomodon perarmatus* Williams
Dist.: NA5, CA, SA0, SA6, SA7, SA10, SA12, J Fdez, Africa, New Zealand, Tasmania, Tristan da Cunha.
Alt.: 500–4700 m.
Ref.: Matteri 1968, Crum & Griffin 1981.
Philonotis sharpiana Griffin & Buck
Dist.: NA5.
Ref.: Griffin & Buck 1989.
Philonotis sphaerocarpa (Hedw.) Brid.
Dist.: NA4b, NA5, CA1, CA3, CA5, CA6, CA7, SA0, SA2, SA6, SA7, SA9, SA10, WIa1, WIa2, WIa3, WIa4, WIa5, WIb, Is G.
Alt.: 500–3100 m.
Ref.: Crum & Griffin 1981, Crosby 1969b.
Philonotis striatula (Mitt.) Jaeg.
Dist.: SA0.
Ref.: Churchill 1989.
Philonotis uncinata (Schwaegr.) Brid. var. *gracilenta* (Hampe) Dism.
Syn.: *Philonotis gracilenta* (Hampe) Jaeg.
Dist.: SA0, SA6, SA7, SA9.
Alt.: 1950–2100 m.
Ref.: Robinson, Holm-Nielsen & Lojtnant 1977.
Philonotis uncinata (Schwaegr.) Brid. var. *uncinata*
Dist.: NA4b, NA5, CA1, CA6, CA7, SA0, SA3, SA4, SA5, SA6, SA7, WIa1, WIa3, WIa4, WIa5, WIb, Is G, Africa, Australia, Oceania.
Alt.: 100–3100 m.
Ref.: Crum & Griffin 1981, Crosby 1969b.
Philonotis vagans (Hook. f. & Wils.) Mitt.
Dist.: SA10, SA12, J Fdez, Africa, Tristan da Cunha.
Alt.: 10–1000 m.
Ref.: Matteri 1968, Robinson 1975.
Philophyllum tenuifolium (Mitt.) Broth.
Syn.: *Philophyllum bromeliae* C. Müll.
Dist.: CA1, SA7, SA9.
Alt.: 1200–1300 m.
Ref.: Welch 1974, 1976, Buck 1992.
Phyllodon ligulaefolius (Bartr.) Menzel
Syn.: *Glossadelphus ligulaefolius* Bartr.
Dist.: NA5, CA1, SA0, SA7, WIa2.
Alt.: 200–1158 m.
Ref.: Menzel 1992, Buck 1990c.
Phyllodon truncatulus (C. Müll.) Buck
Syn.: *Glossadelphus truncatulus* (C. Müll.) Fleisch.
Dist.: CA2, CA6, SA0, SA5, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5.
Alt.: 450–1700 m.
Ref.: Buck 1987b, Florschütz-de Waard 1990.

Phyllodrepanium falcifolium (Schwaegr.) Crosby
Dist.: CA4, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA9, WIa4, WIb.
Alt.: 550 m.
Ref.: Crosby 1970b, Buck & Steere 1983.

Phyllogonium fulgens (Hedw.) Brid. var. *fulgens*
Syn.: *Phyllogonium buchtienii* Herz.
Dist.: NA5, CA1, CA3, CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, WIa1, WIa2, WIa3, WIa4, WIa5, WIb.
Alt.: 140–5606 m.
Ref.: Lin 1983, 1985, Buck & Steere 1983.

Phyllogonium fulgens (Hedw.) Brid. var. *gracile* Ren. & Card.
Dist.: CA6, CA7.
Alt.: 350–2400 m.
Ref.: Lin 1983.

Phyllogonium fulgens (Hedw.) Brid. var. *rufescens* Lin
Dist.: SA0.
Alt.: 2121–2600 m.
Ref.: Lin 1983.

Phyllogonium viride Brid.
Syn.: *Phyllogonium caldense* C. Müll.
Dist.: NA5, CA4, CA6, SA0, SA2, SA3, SA4, SA5, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb, Tristan da Cunha.
Alt.: 10–2600 m.
Ref.: Lin 1983, 1985, Buck & Steere 1983.

Phyllogonium viscosum (P. Beauv.) Mitt.
Dist.: NA5, CA5, CA6, CA7, SA0, SA2, SA6, SA7, SA8, WIa2, WIa5, Africa, Réunion.
Alt.: 457–3700 m.
Ref.: Lin 1983, 1985, Steere 1948.

Physcomitrium acutifolium Broth.
Dist.: SA9.
Ref.: Yano 1981.

Physcomitrium angustifolium Broth.
Dist.: SA9.
Ref.: Yano 1989.

Physcomitrium badium Broth.
Dist.: SA9.
Ref.: Yano 1981.

Physcomitrium benoistii Thér.
Dist.: SA6.
Alt.: 4000–4400 m.
Ref.: Steere 1948.

Physcomitrium brevirostre Broth.
Dist.: SA9.
Ref.: Yano 1981.

Physcomitrium cupulare C. Müll.
Dist.: SA9, SA11.
Ref.: Yano 1981, Buck 1985a.

Physcomitrium cupuliferum Mitt.
Dist.: WIa1.
Ref.: Mitten 1869, Duarte n.d.

Physcomitrium delicatulum Crum & Anderson
Dist.: NA5, India.
Ref.: Fife 1982.

Physcomitrium eurystomum Sendtn.
Dist.: SA7, Europe, Japan.
Alt.: 2000 m.
Ref.: Menzel 1992.

Physcomitrium falcifolium C. Müll. ex Broth.
Dist.: SA9.
Ref.: Yano 1981.

Physcomitrium immersum Sull.
Syn.: *Physcomitrium cubense* Mitt.
Dist.: NA3, NA4b, WIa1.
Ref.: Fife 1982.

Physcomitrium lindmanii Broth.
Dist.: SA9.
Ref.: Yano 1981.

Physcomitrium lorentzii C. Müll.
Dist.: SA7, SA12.
Alt.: 2600 m.
Ref.: Hegewald & Hegewald 1985, Fife 1982.

Physcomitrium luteolum Besch.
Dist.: SA11.
Ref.: Buck 1985a.

Physcomitrium paraguense Besch.
Dist.: SA11.
Ref.: Buck 1985a.

Physcomitrium platyphylloides Par.
Dist.: SA9.
Ref.: Yano 1981.

Physcomitrium puiggarii Geh. & Hampe
Dist.: SA9.
Ref.: Yano 1981.

Physcomitrium pyriforme (Hedw.) Hampe
Dist.: NA3, NA4, NA5, SA7, Africa, Caucasus, Europe, Macaronesia.
Alt.: 1890–2103 m.
Ref.: Menzel 1992.

Physcomitrium serrulatum Mitt.
Dist.: SA9.
Ref.: Yano 1981.

Physcomitrium subsphaericum Schimp. ex C. Müll.
Dist.: NA5, CA1.
Ref.: Crum 1951.
Physcomitrium sylvestre C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Physcomitrium thieleanum Hampe
Dist.: SA9, SA12.
Ref.: Yano 1981.
Physcomitrium umbonatum Mitt.
Dist.: SA9.
Ref.: Yano 1981.
Pilopogon guadalupensis (Brid.) Frahm
Syn.: *Pilopogon gracilis* (Hook.) Brid.
Dist.: NA5, CA1, CA6, SA0, SA2, SA6, SA7, SA8, SA9, WIa2, WIa3, WIa4, WIb.
Alt.: 0–4900 m.
Ref.: Frahm 1991, Buck & Steere 1983.
Pilopogon holomitrium C. Müll.
Dist.: CA, SA8.
Ref.: Frahm 1983, Hermann 1976.
Pilopogon laevis (Tayl.) Thér.
Syn.: *Pilopogon nanus* Hampe
Dist.: CA6, SA0, SA2, SA6, SA7, SA8.
Alt.: 2000–4400 m.
Ref.: Frahm 1983, 1991, Steere 1948.
Pilopogon longirostratus Mitt.
Dist.: SA0, SA2, SA6.
Alt.: 2134–3000 m.
Ref.: Frahm 1983, 1991, Griffin 1975a.
Pilopogon macrocarpus Broth.
Dist.: SA0, SA2, SA6.
Alt.: 1000–3100 m.
Ref.: Frahm 1983, 1991, Griffin 1975a.
Pilopogon peruvianus (Williams) Frahm
Syn.: *Campylopus peruvianus* Williams
Dist.: SA6, SA7.
Alt.: 0–4400 m.
Ref.: Frahm 1983, 1984, 1991.
Pilopogon tiquipayae Herz.
Dist.: SA8.
Alt.: 2700–4100 m.
Ref.: Frahm 1983, 1991, Hermann 1976.
Pilosium chlorophyllum (Hornsch.) C. Müll. ex Broth.
Syn.: *Pilosium longisetulum* C. Müll.
Dist.: NA5, CA1, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA7, SA8, SA9, WIa3, WIa4, WIb.
Alt.: 200–800 m.
Ref.: Florschütz-de Waard 1990, Steere 1985.

Pilotrichella allionii Broth.
Dist.: SA6.
Alt.: 800–950 m.
Ref.: Steere 1948.
Pilotrichella angustifolia Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Pilotrichella caldensis Ångstr.
Dist.: SA9.
Ref.: Yano 1981.
Pilotrichella cuspidans Ren. & Card.
Dist.: WIa1, WIa3, WIa4.
Alt.: 1525 m.
Ref.: Duarte n.d., Steere 1985.
Pilotrichella cyathipoma (C. Müll.) Kindb.
Dist.: SA8.
Ref.: Hermann 1976.
Pilotrichella flexilis (Hedw.) Ångstr.
Dist.: NA5, CA1, CA3, CA5, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5.
Alt.: 610–3400 m.
Ref.: Griffin 1977a, Buck & Steere 1983.
Pilotrichella hexasticha (Schwaegr.) Jaeg.
Dist.: CA6, SA6, SA8, WIa1, WIa3, WIa4, WIa5.
Alt.: 2000 m.
Ref.: Buck & Steere 1983.
Pilotrichella microcarpa (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Pilotrichella mucronatula (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Pilotrichella nudiramulosa C. Müll.
Dist.: SA9
Ref.: Yano 1981.
Pilotrichella pachygaster (C. Müll.) Jaeg.
Dist.: SA0, SA2.
Ref.: Pursell 1973, Churchill 1989.
Pilotrichella pachygastrella C. Müll. in Ångstr.
Dist.: SA9.
Ref.: Yano 1981.
Pilotrichella pentasticha (Brid.) Wijk & Marg.
Syn.: *Hypnum imbricatum* P. Beauv.
Dist.: CA6, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WI, Africa
Alt.: 700–2400 m.
Ref.: Florschütz-de Waard 1990, Kis 1985.

Pilotrichella quitensis (Mitt.) Jaeg.
Dist.: SA6, SA7.
Alt.: 2750–3353 m.
Ref.: Steere 1948, Menzel 1986a, 1992.

Pilotrichella rigida (C. Müll.) Besch.
Dist.: NA5, CA1, CA3, CA5, CA6, CA7, SA0, SA2, SA9.
Alt.: 1380–1850 m.
Ref.: Crosby & Crum 1967, Crosby 1969b.

Pilotrichella squarrulosa C. Müll. in Broth.
Dist.: SA9.
Ref.: Yano 1981.

Pilotrichella subpachygastrella Broth.
Dist.: SA9.
Ref.: Yano 1981.

Pilotrichella versicolor (C. Müll.) Jaeg.
Dist.: SA6, SA8, SA9.
Alt.: 1219–2134 m.
Ref.: Steere 1948, Hermann 1976.

Pilotrichella viridis (C. Müll.) Jaeg.
Dist.: CA7, SA2, SA7, SA8, SA9.
Alt.: 1800 m.
Ref.: Crosby 1969b, Salazar Allen et al. 1991.

Pilotrichella welwistchii (Duby) Gepp. in Hiern.
Dist.: SA9, Africa, Asia.
Ref.: Yano 1989, Kis 1985.

Pilotrichidium antillarum Besch.
Syn.: *Pilotrichidium brunnescens* Besch.
Dist.: CA4, WIa1, WIa5, WIb.
Alt.: 750–1000 m.
Ref.: Allen & Crosby 1986a.

Pilotrichidium callicostatum (C. Müll.) Jaeg.
Dist.: NA5, CA7, SA0, SA2, SA6, WIa2, WIb.
Alt.: 900–1500 m.
Ref.: Allen & Crosby 1986a.

Pilotrichum affine (Hook.) Brid.
Syn.: *Callicosta affinis* (Hook.) C. Müll.
Dist.: WIa1, WIa2, WIa3, WIa4.
Alt.: 450–1800 m.
Ref.: Crosby 1969a, 1978, Bizot 1973.

Pilotrichum andersonii Crosby
Syn.: *Callicosta andersonii* (Crosby) Crosby
Dist.: CA6, SA0, SA2, WIb.
Alt.: 450–1500 m.
Ref.: Crosby 1969a, 1978.

Pilotrichum armatum Broth.
Syn.: *Callicosta armata* (Broth.) Crosby
Dist.: SA6, SA7
Alt.: 500–2100 m.
Ref.: Crosby 1969a, 1978, Steere 1948.

Pilotrichum asperifolium Mitt.
Syn.: *Callicosta asperifolia* (Mitt.) Crosby
Dist.: CA6, CA7, SA0.
Alt.: 1200–2800 m.
Ref.: Crosby 1969a, 1978, Churchill 1989.

Pilotrichum bipinnatum (Schwaegr.) Brid.
Syn.: *Callicosta bipinnata* (Schwaegr.) C. Müll.
Dist.: CA1, CA3, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA9, WIa2, WIb.
Alt.: 20–2743 m.
Ref.: Crosby 1978, Florschütz-de Waard 1990.

Pilotrichum compositum (Hedw.) P. Beauv.
Syn.: *Callicosta composita* (Hedw.) C. Müll.
Dist.: WIa1, WIa2.
Alt.: 750–1800 m.
Ref.: Crosby 1969a, 1978.

Pilotrichum corrugatum Ren. & Card.
Syn.: *Callicosta corrugata* (Ren. & Card.) Crosby
Dist.: Cocos Island.
Alt.: 0–300 m.
Ref.: Crosby 1969a, 1978.

Pilotrichum cristatum Mitt.
Syn.: *Callicosta cristata* (Mitt.) Crosby
Dist.: WIa1, WIa2, WIa3, WIb.
Alt.: 300–1400 m.
Ref.: Crosby 1969a, 1978.

Pilotrichum debile Besch.
Syn.: *Callicosta debilis* (Besch.) Crosby
Dist.: WIb.
Alt.: 600–1000 m.
Ref.: Crosby 1969a, 1978.

Pilotrichum divaricatum Mitt.
Syn.: *Callicosta divaricata* (Mitt.) Crosby
Dist.: WIb.
Alt.: 500–1400 m.
Ref.: Crosby 1969a, 1978.

Pilotrichum evanescens (C. Müll.) Crosby
Syn.: *Callicosta evanescens* C. Müll.
Dist.: NA5, CA1, CA2, CA4, CA5, CA6, CA7, SA2, SA3, SA4, SA5, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb.
Alt.: 0–1700 m.
Ref.: Crosby 1978, Florschütz-de Waard 1990.

Pilotrichum fendleri C. Müll.
Syn.: *Callicosta fendleri* (C. Müll.) Crosby
Dist.: NA5, CA1, CA4, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, WIa2.
Alt.: 50–1800 m.
Ref.: Crosby 1969a, 1978, Buck 1990a.

Pilotrichum husnotii Schimp. ex Besch.
Syn.: *Callicosta husnotii* (Schimp. ex Besch.) Crosby
Dist.: WIb.
Alt.: 400–1400 m.
Ref.: Crosby 1969a, 1978.

Pilotrichum hypnoides (Hedw.) P. Beauv.
Syn.: *Callicosta hypnoides* (Hedw.) C. Müll.
Dist.: WIa2.
Alt.: 1300–1800 m.
Ref.: Crosby 1969a, 1978.

Pilotrichum longicaule Broth.
Syn.: *Callicosta longicaulis* (Broth.) Crosby
Dist.: SA2, SA6.
Alt.: 2100–2200 m.
Ref.: Crosby 1969a, 1978, Steere 1948.

Pilotrichum lophophyllum Sull.
Syn.: *Callicosta lophophylla* (Sull.) Crosby
Dist.: CA7, WIa1, WIa2, WIa3, WIa4, WIa5, WIb.
Alt.: 150–1100 m.
Ref.: Crosby 1969a, 1978.

Pilotrichum luciae Crosby
Syn.: *Callicosta luciae* (Crosby) Crosby
Dist.: WIb.
Alt.: 600 m.
Ref.: Crosby 1969a, 1978.

Pilotrichum procerum Mitt.
Syn.: *Callicosta procera* (Mitt.) Crosby
Dist.: WIb.
Alt.: 300–1200 m.
Ref.: Crosby 1969a, 1978.

Pilotrichum ramosissimum Mitt.
Syn.: *Callicosta ramosissima* (Mitt.) Crosby
Dist.: NA5, CA1, CA4, CA6, CA7, SA0, SA2.
Alt.: 70–2000 m.
Ref.: Crosby 1969a, 1978, Churchill 1989.

Pilotrichum rugifolium C. Müll.
Syn.: *Callicosta rugifolia* (C. Müll.) Crosby
Dist.: Cocos Island.
Alt.: ca. 0 m.
Ref.: Crosby 1969a, 1978.

Pinnatella brasiliensis Bartr.
Dist.: SA9.
Ref.: Yano 1981.

Pinnatella caesia (Mitt.) Broth.
Dist.: SA6, SA9.
Alt.: 914 m.
Ref.: Yano 1989, Steere 1948.

Pinnatella geheebii (C. Müll.) Fleisch.
Dist.: SA9, SA11.
Ref.: Yano 1981, Buck 1985a.

Pinnatella minuta (Mitt.) Broth.
Dist.: NA5, CA1, CA2, CA6, SA9, WIa1, WIa3, WIa4, WIa5.
Alt.: 0–1219 m.
Ref.: Buck & Steere 1983.

Pinnatella ochracea Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Pinnatella piniformis (Brid.) Fleisch.
Dist.: SA9, WIb.
Ref.: Yano 1989.

Pinnatella subpiniformis Broth.
Dist.: SA9.
Ref.: Yano 1981.

Pinnatella thieleana (C. Müll.) Broth ex Par.
Syn.: *Porotrichum pinnatelloides* C. Müll.
Dist.: SA7, SA8, SA9.
Alt.: 2700 m.
Ref.: Menzel 1992.

Pireella angustifolia (C. Müll.) Arz.
Dist.: CA6, CA7, SA2, SA9, WIa1, WIa3, WIa4, WIa5, WIb.
Ref.: Buck & Steere 1983, Crosby 1969b.

Pireella cymbifolia (Sull.) Card.
Dist.: NA4b, NA5, CA1, CA2, CA3, CA5, CA6, CA7, SA0, SA2, SA3, SA7, WIa1, WIa3, WIa4, WIa5.
Alt.: 50–1380 m.
Ref.: Florschütz-de Waard 1990, Crosby 1969b.

Pireella fendleri (C. Müll.) Card.
Dist.: SA2.
Ref.: Pursell 1973.

Pireella filicina (Hedw.) Card.
Dist.: CA7, WIa1, WIa2.
Alt.: 600–731 m.
Ref.: Crosby 1969b, Bizot 1973.

Pireella guatemalensis Bartr.
Dist.: NA5, CA1.
Ref.: Bartram 1949.

Pireella mariae (Card.) Card.
Dist.: NA5, CA1, CA6, CA7, WIa4.
Alt.: 1200 m.
Ref.: Buck & Steere 1983, Crosby 1969b.

Pireella pachyclada (Ren. & Card.) Card.
Dist.: NA5, CA1, CA2, WIa1, WIa4.
Ref.: Buck & Steere 1983, Bizot 1973.

Pireella pergemmescens Robins.
Dist.: SA6.
Alt.: 25 m.
Ref.: Robinson, Holm-Nielsen & Jeppesen 1971.

Pireella pohlii (Schwaegr.) Card.
Dist.: NA4b, NA5, CA6, CA7, SA0, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIa1, WIa3, WIa4, WIb.
Alt.: 310–700 m.
Ref.: Florschütz-de Waard 1990, Crosby 1970a.

Pireella trichomanoides (Mitt.) Card.
Dist.: SA6, SA7.
Alt.: 914 m.
Ref.: Steere 1948, Menzel 1992.

Plagiobryum zieri (Hedw.) Lindb.
Dist.: NA1, NA2, NA3, NA4a, CA1, Africa, Asia, Europe, Japan.
Alt.: 3500 m.
Ref.: Shaw 1982a, Magill 1987.

Plagiomnium cuspidatum (Hedw.) T. Kop.
Dist.: NA, NA5, WIa1, Africa, Asia, Europe.
Ref.: Koponen 1979, Kis 1985.

Plagiomnium medium (B.S.G.) T. Kop.
Dist.: NA, NA5, Africa, Asia, Europe.
Ref.: Koponen 1981a.

Plagiomnium rhynchophorum (Hook.) T. Kop.
Dist.: NA5, CA1, CA2, CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA6, SA7, SA8, SA9, SA11, SA12, WIa1, WIa2, WIa3, WIa4, Africa, Asia, Australia, Europe, Hawaii, New Zealand.
Alt.: 900–3200 m.
Ref.: Koponen 1979, Buck & Steere 1983.

Plagiomnium rostratum (Schrad.) T. Kop.
Syn.: *Mnium longirostrum* Brid.
Dist.: NA, NA5, CA1, CA3, CA6, CA7, SA2, SA6, SA7, WIa1, Africa, Asia, Europe.
Alt.: 900–3000 m.
Ref.: Koponen 1981a, Crosby 1969b.

Plagiopus oederianus (Sw.) Crum & Anderson
Dist.: NA1, NA2, NA3, NA4a, NA4b, CA, SA8, WI, Africa, Asia, Europe.
Ref.: Crum & Anderson 1981, Hermann 1976, Magill 1987.

Plagiothecium bicolor Warnst.
Dist.: SA9.
Ref.: Buck & Ireland 1989.

Plagiothecium conostegium Herz.
Dist.: NA5, CA1, SA0, SA2, SA6, SA8, SA10, SA12, WIa4.
Alt.: 1889–4350 m.
Ref.: Buck & Ireland 1989, Hermann 1976.

Plagiothecium denticulatum (Hedw.) B.S.G.
Dist.: NA, CA1, CA6, SA8, Africa, Asia, Australia, Europe, Japan, Oceania.
Ref.: Bowers 1974, Iwatsuki 1970.

Plagiothecium drepanophyllum Ren. & Card.
Syn.: *Plagiothecium standleyi* Bartr.
Dist.: NA5, CA1, CA3, CA6, SA0, SA2, WIa2, WIa4.
Alt.: 1400–3900 m.
Ref.: Buck & Ireland 1989, Winkler 1965.

Plagiothecium herzogii Thér.
Dist.: SA8.
Ref.: Buck & Ireland 1989, Hermann 1976.

Plagiothecium jamaicense C. Müll.
Dist.: WIa1, WIa2, WIa5.
Ref.: Crum & Steere 1957.

Plagiothecium lucidum (Hook. f. & Wils.) Par.
Syn.: *Plagiothecium lucidulum* (Hook. f. & Wils.) Mitt.
Dist.: SA0, SA2, SA6, SA7, SA8, SA9, SA10, SA12, WIa4.
Alt.: 2000–4400 m.
Ref.: Buck & Ireland 1989, Steere 1948.

Plagiothecium novo-granatense (Hampe) Mitt.
Syn.: *Plagiothecium brasiliense* (Hampe) Jaeg.
Dist.: SA0, SA2, SA6, SA7, SA8, SA9, SA12.
Alt.: 1200–3950 m.
Ref.: Buck & Ireland 1989, Steere 1948.

Platygyriella densa (Hook.) Buck
Syn.: *Bryosedgwickia densa* (Hook.) Biz. & P. Varde
Dist.: NA5, CA1, CA3, CA6, CA7, SA2, SA6, SA8, WIa3, Africa.
Alt.: 750–2100 m.
Ref.: Buck 1984a, Buck & Steere 1983.

Platygyriella pringlei (Card.) Buck
Syn.: *Bryosedgwickia pringlei* (Card.) Biz. & P. Varde
Dist.: NA5, CA1, CA3.
Alt.: 710–1829 m.
Ref.: Buck 1984a, Winkler 1965.

Platygyrium fuscoluteum Card.
Dist.: NA4a, NA5.
Alt.: 2200–2800 m.
Ref.: Crum 1951.

Platyhypnidium aquaticum (Jaeg.) Fleisch.
Syn.: *Rhynchostegium aquaticum* Jaeg.
Dist.: CA6, SA0, SA6, SA7, SA8, SA9, WIa1, WIa4.
Alt.: 914–3350 m.
Ref.: Buck & Steere 1983, Menzel 1992.

Platyhypnidium brotheri (Par.) Wijk & Marg.
Syn.: *Platyhypnidium julaceum* Fleisch.
Dist.: SA9.
Ref.: Yano 1981.

Platyhypnidium intermedium Herz.
Dist.: SA9.
Ref.: Yano 1981.

Pleuridium andinum Herz.
Dist.: SA7, SA8.
Alt.: 3400 m.
Ref.: Hegewald & Hegewald 1985.

Pleuridium aurantiacum Snider & Delg.
Dist.: NA5.
Alt.: 2520–2600 m.
Ref.: Snider & Delgadillo 1988.

Pleuridium holdridgei Crum & Steere
Dist.: WIa3.
Alt.: 1600 m.
Ref.: Crum & Steere 1958, Buck 1990c.

Pleuridium laxirete Broth. ex G. Roth
Dist.: SA7.
Alt.: 300–600 m.
Ref.: Menzel 1992.

Pleuridium lindigianum (Hampe) Churchill
Dist.: SA0.
Ref.: Churchill 1989.

Pleuridium subenervis (Hampe) Churchill
Dist.: SA0.
Ref.: Churchill 1989.

Pleuridium subnervosum (C. Müll.) Jaeg.
Dist.: SA9, SA13.
Ref.: Yano 1989.

Pleuridium subulatum (Hedw.) Rabh.
Syn.: *Pleuridium bolanderi* C. Müll.
Dist.: NA, NA5.
Ref.: Cárdenas & Delgadillo 1984.

Pleuridium sullivantii Aust. var. *mexicanum* (Card.) Cárde.
Syn.: *Pleuridium mexicanum* Card.
Dist.: NA5.
Alt.: 2400–3640 m.
Ref.: Cárdenas 1987.

Pleuridium sullivantii Aust. var. *sullivantii*
Dist.: NA4b, NA5.
Alt.: 2515 m.
Ref.: Cárdenas 1987.

Pleurochaete ecuadorensis Broth.
Dist.: SA6, SA7.
Alt.: 2800 m.
Ref.: Steere 1948, Menzel 1992.

Pleurochaete squarrosa (Brid.) Lindb.
Syn.: *Pleurochaete luteola* (Besch.) Thér.
Dist.: NA4a, NA4b, NA5, CA1, SA0, SA6, SA7, WIa1, WIa3, WIa4, Africa, China, India, Japan.
Ref.: Timme & Bowers 1988, Duarte n.d.

Pleurorthotrichum cryptocarpum Bartr.
Dist.: CA6.
Ref.: Bowers 1974.

Pleurozium schreberi (Brid.) Mitt.
Syn.: *Lembophyllum bolivianum* Herz.
Dist.: NA, NA5, CA6, SA0, SA2, SA7, SA8, Asia, Europe.
Alt.: 2650–4000 m.
Ref.: Rohrer 1985, Griffin 1975a.

Pogonatum abbreviatum Mitt.
Dist.: SA0, SA8, SA9.
Ref.: Hyvönen 1989, Hermann 1976.

Pogonatum brasiliense (Hampe) Jaeg.
Dist.: SA9.
Ref.: Hyvönen 1989.

Pogonatum campylocarpum (C. Müll.) Mitt.
Syn.: *Pogonatum andinum* (Hampe) Mitt.
Dist.: NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, SA12, WIa4.
Alt.: 1350–3650 m.
Ref.: Menzel 1985, 1992, Allen 1988.

Pogonatum norrisii Hyvönen
Dist.: WIa2, WIa3, WIa4.
Alt.: 2500 m.
Ref.: Hyvönen 1989.

Pogonatum oligodus (C. Müll.) Mitt.
Syn.: *Pogonatum perichaetiale* subsp. *oligodus* (C. Müll.) Hyv.
Dist.: NA5, CA1, SA0, SA2, SA6, SA7, SA8, SA9, SA10, SA12, WIa4, Africa.
Alt.: 2150–4750 m.
Ref.: Menzel 1986c, Buck & Steere 1983.

Pogonatum pensilvanicum (Hedw.) P. Beauv.
Syn.: *Pogonatum gardneri* (C. Müll.) Mitt.
Dist.: NA3, NA4, NA5, SA7, SA8, SA9, SA11, WIa1.
Alt.: 0–2900 m.
Ref.: Hyvönen 1989.

Pogonatum peruvianum Par.
Dist.: SA7.
Ref.: Menzel 1992, Hyvönen 1989.

Pogonatum semipellucidum (Hampe) Mitt.
Syn.: *Pogonatum subbifarium* Mitt.
Dist.: SA0, SA2, SA6, SA7, SA8.
Alt.: 900–2900 m.
Ref.: Hyvönen 1989, Steere 1948.

Pogonatum subflexuosum (Lor.) Broth.
Syn.: *Pogonatum robustum* Mitt.
Dist.: NA5, CA1, CA3, CA4, CA6, CA7, SA2, SA7, WIa1, WIa2, WIa3, WIa4.
Alt.: 1100–3500 m.
Ref.: Menzel 1985, Winkler 1965.

Pogonatum tortile (Sw.) Brid.
Syn.: *Pogonatum liebmannianum* (C. Müll.) Mitt.
Dist.: NA5, CA1, CA3, CA5, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb.
Alt.: 0–2270 m.
Ref.: Hyvönen 1989, Buck & Steere 1983.

Pogonatum volvatum (C. Müll.) Par.
Syn.: *Pogonatum alienum* G. L. Sm.
Dist.: NA5, CA1.
Alt.: 2500 m.
Ref.: Hyvönen 1989, Smith 1975b.

Pohlia apolensis Williams
Dist.: SA8.
Ref.: Hermann 1976.

Pohlia camptotrachela (Ren. & Card.) Broth.
Dist.: NA, SA9, Europe, New Zealand.
Alt.: 1270–1550 m.
Ref.: Schäfer-Verwimp 1992.

Pohlia chilensis (Mont.) Shaw
Syn.: *Pohlia pluriseta* Herz.
Dist.: CA1, SA7, SA8, SA10.
Alt.: 4570 m.
Ref.: Shaw 1987, Menzel 1986a, 1992.

Pohlia clavicaulis (Broth.) Herm.
Dist.: SA8.
Ref.: Hermann 1976.

Pohlia crassicostata (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Pohlia cruda (Hedw.) Lindb.
Dist.: NA4a, NA4b, NA5, CA1, CA6, SA7, SA10, WIa3, WIa4, Is G, Africa, Antarctica, Asia, Auckland Islands, Hawaii, India, Japan, New Zealand; Northern Hemisphere.
Alt.: 4100–4600 m.
Ref.: Shaw 1982b, Gradstein & Weber 1982.

Pohlia elongata Hedw.
Syn.: *Pohlia integridens* (C. Müll.) Broth.
Dist.: NA3, NA4a, NA4b, NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA8, SA9, WIa4, Is G, Africa, Asia, Europe, Japan, Madagascar, New Guinea.
Alt.: 1219–3962 m.
Ref.: Shaw 1982b, Gradstein & Weber 1982.

Pohlia flexuosa Hook.
Syn.: *Pohlia longipedicellata* (C. Müll.) Broth.
Dist.: CA6, CA7, SA2, SA7, WIa3, WIa4, Asia.
Alt.: 2325–3000 m.
Ref.: Ochi 1981a, Buck & Steere 1983.

Pohlia fusifera (Mitt.) Broth.
Syn.: *Brachymenium fusiferum* (Mitt.) Jaeg.
Dist.: SA0, SA6, SA7.
Alt.: 3048–4880 m.
Ref.: Ochi 1981a, Hegewald & Hegewald 1985.

Pohlia gracilicarpa (Hampe) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Pohlia grammocarpa (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Pohlia integra (Card.) Shaw
Syn.: *Webera integra* Card.
Dist.: NA5.
Ref.: Shaw 1982b.
Pohlia leptodontium (Mitt.) Broth.
Dist.: SA0.
Ref.: Churchill 1989.
Pohlia leptopoda (Hampe) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Pohlia longicollis (Hedw.) Lindb.
Dist.: NA4a, NA4b, SA7, Africa, Europe, India, Japan.
Alt.: 4000 m.
Ref.: Menzel 1992.
Pohlia loriformis (Herz.) Herm.
Dist.: SA8.
Ref.: Hermann 1976.
Pohlia ludwigii (Schwaegr.) Broth.
Dist.: NA2, NA4, SA7, Japan.
Alt.: 4500 m.
Ref.: Menzel 1992.
Pohlia nutans (Hedw.) Lindb.
Dist.: NA3, NA4a, NA4b, NA5, SA10, Is G, Africa, Antarctica, Asia, Australia, Europe, New Zealand.
Alt.: 150–300 m.
Ref.: Shaw 1982b, Gradstein & Weber 1982.
Pohlia oerstediana (C. Müll.) Shaw
Dist.: NA5, CA1, CA6.
Ref.: Shaw 1982b.
Pohlia papillosa (C. Müll. ex Jaeg.) Broth.
Dist.: NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, SA12, WIa1, WIa2, WIa3, WIa4, WIa5.
Alt.: 1219–3658 m.
Ref.: Shaw 1982b, Steere & Chapman 1946.
Pohlia peracuminata Bartr.
Dist.: CA1, CA3, CA6.
Alt.: 1250–1690 m.
Ref.: Bowers, Sharp & Robinson 1973.
Pohlia polycarpa (Mitt.) Broth.
Dist.: CA1, SA7, SA8, SA10.
Ref.: Shaw 1982b.
Pohlia pseudobarbula (Thér.) Crum ex Shaw
Dist.: NA5.
Ref.: Shaw 1982b.
Pohlia richardsii Shaw
Dist.: CA6, SA0, SA2, SA6, WIa4.
Alt.: 2500–3000 m.
Ref.: Shaw 1982b, Churchill 1991a.
Pohlia rusbyana (Britt.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Pohlia salaminae (C. Müll.) Broth.
Dist.: SA0.
Ref.: Ochi 1981a, Churchill 1989.
Pohlia schisticola (C. Müll.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Pohlia subcurvata (Mitt.) Broth.
Dist.: SA0.
Ref.: Churchill 1989.
Pohlia subleptopoda (Broth.) Herm.
Dist.: SA8.
Ref.: Hermann 1976.
Pohlia tenuifolia (Mitt.) Jaeg.
Dist.: SA9, SA10, SA12, Australia, New Zealand.
Alt.: 800–1400 m.
Ref.: Schäfer-Verwimp 1992.
Pohlia verrucosa (C. Müll.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Pohlia wahlenbergii (Web. & Mohr) Andr. in Grout
Syn.: *Mniobryum wahlenbergii* (Web. & Mohr) Jenn.
Dist.: NA1, NA3, NA4a, NA4b, NA5, CA1, SA0, SA6, SA7, SA10, SA12, WIa4, Africa, Asia, Australia, Europe, Japan, New Zealand.
Alt.: 50–4420 m.
Ref.: Shaw 1982b, Buck & Steere 1983.
Polymerodon andinus Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Polytrichadelphus abriaquiae (C. Müll.) Jaeg.
Dist.: SA0.
Ref.: Churchill 1989.
Polytrichadelphus aristatus (Hampe) Mitt.
Dist.: SA0, SA2, SA6, SA7, SA8.
Alt.: 2750 m.
Ref.: Griffin et al. 1973, Steere 1948.
Polytrichadelphus bolivianus Herz.
Dist.: SA6, SA8.
Alt.: 3900 m.
Ref.: Steere 1948, Hermann 1976.
Polytrichadelphus ciliatus (Hook. f. & Wils.) Mitt.
Dist.: SA0.
Ref.: Smith 1971, Churchill 1989.

Polytrichadelphus cuspidirostrum (Schimp. in C. Müll.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Polytrichadelphus ericoides Mitt.
Syn.: *Polytrichum ericoides* Hampe
Dist.: SA0, SA2.
Alt.: 2350 m.
Ref.: Griffin 1975a.

Polytrichadelphus giganteus (Hook.) Mitt.
Dist.: SA0, SA6.
Alt.: 3800 m.
Ref.: Steere 1948, Churchill 1989.

Polytrichadelphus grossidens C. Müll. ex Britt.
Dist.: SA8.
Ref.: Hermann 1976.

Polytrichadelphus integrifolius C. Müll. ex Britt.
Dist.: SA8.
Ref.: Hermann 1976.

Polytrichadelphus longisetus (Brid.) Mitt.
Syn.: *Polytrichadelphus trianae* (C. Müll.) Mitt.
Dist.: SA0, SA2, SA7, SA8.
Alt.: 1300–2880 m.
Ref.: Smith 1971, Griffin 1975a.

Polytrichadelphus magellanicus (Hedw.) Mitt.
Dist.: SA7, SA9, J Fdez.
Alt.: 3000 m.
Ref.: Smith 1971, Robinson 1975.

Polytrichadelphus minimus Card.
Dist.: SA9.
Ref.: Yano 1989.

Polytrichadelphus mitis Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Polytrichadelphus peruvianus Broth.
Syn.: *Polytrichadelphus costaricensis* Bartr.
Dist.: CA6, SA2, SA7.
Alt.: 1400 m.
Ref.: Bowers 1974, Menzel 1992.

Polytrichadelphus pseudopolytrichum (Raddi) G. L. Sm.
Dist.: SA7, SA9.
Ref.: Schäfer-Verwimp 1991, Menzel 1992.

Polytrichadelphus purpureus Mitt.
Dist.: SA0, SA6.
Alt.: 2440–3500 m.
Ref.: Robinson, Holm-Nielsen & Jeppesen 1971.

Polytrichadelphus rubiginosus Mitt. var. *patulidens* Broth.
Dist.: SA7.
Alt.: 3000–3500 m.
Ref.: Menzel 1992.

Polytrichadelphus rubiginosus Mitt. var. *rubiginosus*
Dist.: SA0, SA6, SA7, SA8.
Alt.: 1100–2000 m.
Ref.: Steere 1948, Menzel 1992.

Polytrichadelphus semiangulatus (Brid.) Mitt.
Dist.: SA9, WI.
Ref.: Smith 1971, Yano 1989.

Polytrichadelphus umbrosus Mitt.
Dist.: southern SA, SA7, SA8, SA9.
Alt.: 2100–3400 m.
Ref.: Menzel 1992, Hermann 1976.

Polytrichadelphus valenciae (C. Müll.) Par.
Dist.: SA0, SA2, SA6.
Alt.: 1500–2100 m.
Ref.: Robinson, Holm-Nielsen & Lojtnant 1977.

Polytrichastrum alpinum (Hedw.) G. L. Sm.
Dist.: NA, NA5, CA1, SA, Asia, Australia, Europe, New Zealand.
Ref.: Smith 1971.

Polytrichastrum formosum (Hedw.) G. L. Sm.
Syn.: *Polytrichum formosum* Hedw.
Dist.: NA, NA5, SA9, Asia, Europe.
Ref.: Smith 1971.

Polytrichastrum tenellum (C. Müll.) G. L. Sm.
Syn.: *Polytrichum alpiniforme* Card.
Dist.: NA5, CA3, CA6, SA0, SA2, SA7, SA8.
Alt.: 1180–4400 m.
Ref.: Smith 1971, 1975a, Winkler 1965.

Polytrichum angustifolium Mitt.
Dist.: SA9.
Ref.: Smith 1971.

Polytrichum brachymitrium C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.

Polytrichum commune L. ex Hedw.
Dist.: NA, NA5, SA0, SA2, SA8, SA9, Africa, Asia, Australia, Europe, New Zealand.
Ref.: Kis 1985, Hermann 1976.

Polytrichum glabrum Brid. ex Schrad.
Dist.: SA9, Africa.
Ref.: Yano 1981.

Polytrichum juniperaceus C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Polytrichum juniperinum Hedw.
Dist.: NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA3, SA6, SA7, SA8, SA9, WIa1, WIa3, WIa4, Is G, Africa; cosmopolitan.
Alt.: 1130–4700 m.
Ref.: Sloover 1986, Gradstein & Weber 1982.
Polytrichum micropyxis C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Polytrichum rubescens Mitt.
Dist.: SA6.
Ref.: Steere 1948.
Polytrichum subcarinatum Hampe
Dist.: SA9.
Ref.: Yano 1981, 1989.
Polytrichum subremotifolium Geh. & Hampe
Dist.: SA9.
Ref.: Yano 1981, 1989.
Polytrichum ulei Broth.
Dist.: SA9.
Ref.: Yano 1989.
Polytrichum vulgare Hedw.
Dist.: SA9.
Ref.: Yano 1989.
Porothamnium comosum Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Porothamnium crassipes (Ren. & Card.) Fleisch. in Broth.
Dist.: CA6.
Ref.: Bowers 1974.
Porothamnium expansum (Tayl.) Fleisch.
Syn.: *Porotrichum expansum* (Tayl.) Mitt.
Dist.: SA0, SA2, SA6, SA7.
Alt.: 914–2750 m.
Ref.: Griffin 1975a, Menzel 1992.
Porothamnium explanatum (Mitt.) Fleisch. in Broth.
Dist.: SA6, SA7, SA8, WI.
Ref.: Steere 1948, Menzel 1992.
Porothamnium fasciculatum (Hedw.) Fleisch.
Syn.: *Porotrichum fasciculatum* (Hedw.) Mitt.
Dist.: CA6, SA0, SA2, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5.
Alt.: 610–1300 m.
Ref.: Buck & Steere 1983, Steere 1948.
Porothamnium filiferum (Mitt.) Fleisch.
Syn.: *Porotrichum filiferum* Mitt.
Dist.: SA2, SA6, SA7, SA9, WI.
Alt.: 468–3200 m.
Ref.: Steere 1948, Menzel 1992.
Porothamnium flagelliferum (C. Müll.) Fleisch.
Dist.: western SA, SA9.
Ref.: Yano 1981.
Porothamnium floridum (Tayl.) Williams
Dist.: SA7.
Alt.: 3200 m.
Ref.: Menzel 1992.
Porothamnium gracile Broth.
Dist.: SA6.
Alt.: 850 m.
Ref.: Steere 1948.
Porothamnium gymnopodum (Tayl.) Fleisch.
Dist.: SA6, SA7, SA8.
Alt.: 2600–3000 m.
Ref.: Steere 1948, Menzel 1992.
Porothamnium lehmannii (Besch.) Fleisch.
Dist.: SA6.
Alt.: 2800–3500 m.
Ref.: Steere 1948.
Porothamnium leucocaulon (C. Müll.) Fleisch. in Broth.
Dist.: SA9, SA12.
Ref.: Yano 1989.
Porothamnium mattogrossense (Broth.) Fleisch. in Broth.
Dist.: SA9, SA12.
Ref.: Yano 1989.
Porothamnium minutistolo (C. Müll.) Fleisch. in Broth.
Dist.: SA9.
Ref.: Yano 1981.
Porothamnium neckeraeforme (Hampe) Fleisch. in Broth.
Dist.: CA6, southern SA, SA8, SA9.
Ref.: Bowers 1974, Hermann 1976.
Porothamnium obliquifolium (Hornsch.) Fleisch.
Dist.: SA9.
Ref.: Yano 1981.
Porothamnium protensum (Ren. & Card.) Broth.
Dist.: SA6.
Ref.: Steere 1948.

Porothamnium ramosissimum (Hampe) Fleisch. in Broth.
Dist.: SA8, SA9.
Ref.: Yano 1981, Hermann 1976.

Porothamnium rio-grandense (C. Müll.) Fleisch. in Broth.
Dist.: SA9.
Ref.: Yano 1981.

Porothamnium serricola (C. Müll.) Fleisch. in Broth.
Dist.: SA9.
Ref.: Yano 1981.

Porothamnium striatum (Mitt.) Fleisch. in Broth.
Dist.: SA6, SA8, SA9.
Alt.: 2743 m.
Ref.: Yano 1989, Steere 1948.

Porothamnium subexplanatum Broth. & Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Porothamnium tenuinerve Broth.
Dist.: SA9.
Ref.: Yano 1981.

Porothamnium valdiviae (C. Müll.) Fleisch. in Broth.
Dist.: SA7, SA10, SA12.
Alt.: 3000 m.
Ref.: Menzel 1992.

Porotrichodendron biforme (Hampe) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Porotrichodendron flavidulum (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Porotrichodendron glaziovii (Par.) Wijk & Marg.
Dist.: SA9.
Ref.: Yano 1981.

Porotrichodendron gracile Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Porotrichodendron longipes (Williams) Buck
Syn.: *Eriodon longipes* Williams
Dist.: SA6, SA7.
Alt.: 3960 m.
Ref.: Buck 1981c, Menzel 1992.

Porotrichodendron nitidum (Hampe) Broth.
Dist.: SA0, SA6.
Alt.: 2500–3200 m.
Ref.: Steere 1948, Churchill 1989.

Porotrichodendron robustum Broth. in Herz.
Dist.: SA0, SA2, SA8.
Ref.: Griffin et al. 1973, Hermann 1976.

Porotrichodendron substolonaceum (Besch.) Broth.
Dist.: CA6, SA0.
Ref.: Bowers 1974, Churchill 1989.

Porotrichodendron superbum (Tayl.) Broth.
Dist.: NA5, CA1, CA2, CA3, CA6, SA0, SA2, SA6, SA7, SA8, SA9, WIa3, WIa4.
Alt.: 1036–3048 m.
Ref.: Griffin 1977a, Buck & Steere 1983.

Porotrichopsis flacca Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Porotrichum amboroicum Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Porotrichum bolivianum C. Müll. ex Britt.
Dist.: SA8.
Ref.: Hermann 1976.

Porotrichum brevifolium Bartr.
Dist.: CA1, CA3, SA9.
Alt.: 600–1920 m.
Ref.: Yano 1989, Winkler 1965.

Porotrichum caldense (Kindb.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Porotrichum cavifolium (Card. & Herz.) Magill & Allen
Syn.: *Pireella cavifolia* (Card. & Herz. ex Card.) Card.
Dist.: NA5, CA, SA0, SA4, WIa1, WIa2, WIa4, WIa5.
Ref.: Buck & Steere 1983, Magill & Allen 1992.

Porotrichum denticulatum Mitt.
Dist.: SA9.
Ref.: Yano 1981.

Porotrichum guatemalense Bartr.
Syn.: *Porotrichum leavenworthii* Bartr. ex Leavenw.
Dist.: NA5, CA1.
Alt.: 1829–2743 m.
Ref.: Bartram 1949.

Porotrichum korthalsianum (Dozy & Molk.) Mitt.
Syn.: *Porotrichum cobanense* C. Müll.
Dist.: NA5, CA1, CA2, CA3, CA6, CA7, SA0, SA2, SA4, SA5, SA6, SA7, SA9, WIa1, WIa3, WIa4, WIa5.
Alt.: 1067–3048 m.
Ref.: Buck & Steere 1983, Griffin 1975a.

Porotrichum krauseanum (Hampe & Lor.) Jaeg.
Syn.: *Porotrichum penicillidens* Steere
Dist.: SA6.
Alt.: 500–3962 m.
Ref.: Steere 1948.

Porotrichum lancifrons (Hampe) Mitt.
Syn.: *Porothamnium lancifrons* (Hampe) Fleisch.
Dist.: NA5, SA0, SA9.
Ref.: Vital & Pursell 1992.

Porotrichum longirostre (Hook.) Mitt.
Syn.: *Porotrichum floridum* (Tayl.) Williams
Dist.: NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, WIa2.
Alt.: 500–3200 m.
Ref.: Griffin 1977a, Crosby 1969b.

Porotrichum macropoma Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Porotrichum microthecium C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.

Porotrichum minus Hampe
Dist.: SA0, SA9, WIa4.
Ref.: Buck & Steere 1983.

Porotrichum mutabile Hampe
Syn.: *Porotrichum insularum* Mitt.
Dist.: NA5, CA6, SA0, SA2, SA6, WIa1, WIa4, WIa5, Is G.
Alt.: 500–2400 m.
Ref.: Gradstein & Weber 1982, Bizot 1973.

Porotrichum piniforme (Brid.) Mitt.
Dist.: NA5, SA4, SA5, WIb.
Alt.: 762 m.
Ref.: Florschütz-de Waard 1990.

Porotrichum plagiorhynchum Ren. & Card.
Dist.: NA5, CA6.
Alt.: 1524 m.
Ref.: Brotherus 1925.

Porotrichum plumosum Ren. & Card.
Dist.: CA6.
Ref.: Bowers 1974.

Porotrichum squarrosum (Arz.) Crum & Steere
Syn.: *Pireella squarrosa* Arz.
Dist.: WIa3, WIa4.
Alt.: 914 m.
Ref.: Crum & Steere 1958, Steere 1985.

Porotrichum strictum Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Porotrichum substriatum (Hampe) Mitt.
Syn.: *Porotrichum plicatulum* Mitt.
Dist.: NA5, CA1, CA6, CA7, SA0, SA2, SA4, SA5, SA7, SA9, WIa1, WIa4, WIa5, WIb, Is G.
Alt.: 2700 m.
Ref.: Buck & Steere 1983, Crosby 1969b.

Potamium lonchophyllum (Mont.) Mitt.
Syn.: *Sematophyllum lonchophyllum* (Mont.) Florsch.-de Waard
Dist.: SA0, SA2, SA4, SA5, SA9.
Ref.: Florschütz-de Waard 1992, Buck 1990a.

Potamium recurvifolium Thér.
Dist.: SA0.
Ref.: Churchill 1989.

Pottia bryoides (Dicks.) Mitt.
Dist.: NA3, NA4a, NA5, Europe, Middle East.
Ref.: Wareham 1939.

Pottia cucullata (Hampe) Jaeg.
Dist.: SA0.
Ref.: Churchill 1989.

Pottia humillima (Ångstr.) Par.
Dist.: SA9.
Ref.: Yano 1981.

Pottia starckeana (Hedw.) C. Müll. var. *starckeana*
Dist.: NA4a, NA5, Africa, Asia, Australia, Europe.
Ref.: Chamberlain 1969.

Pottia starckeana (Hedw.) C. Müll. subsp. *conica* (Schwaegr.) Chamb.
Dist.: NA4a, NA5, Africa, Asia, Australia, Europe.
Ref.: Chamberlain 1969.

Pottia starckeana (Hedw.) C. Müll. var. *fosbergii* (Bartr.) Zand.
Syn.: *Pottia fosbergii* Bartr.
Dist.: NA4a, NA5.
Ref.: Bowers, Delgadillo & Sharp 1976, Zander 1993.

Pottia thraustophylla (Ångstr.) Par.
Dist.: SA9.
Ref.: Yano 1981.

Pottia uleana Par.
Dist.: SA9.
Ref.: Yano 1981.

Pringleella pleuridioides Card.
Dist.: NA5.
Alt.: 2190 m.
Ref.: Buck 1979.

Pringleella subulata (C. Müll.) Broth.
Dist.: SA9.
Ref.: Buck 1979, Yano 1981.
Prionodon auriculatus Ångstr.
Dist.: SA9.
Ref.: Yano 1981.
Prionodon bolivianus C. Müll.
Dist.: SA7, SA8.
Alt.: 2750–3600 m.
Ref.: Menzel 1992, Hermann 1976.
Prionodon caldensis Broth.
Dist.: SA9.
Ref.: Yano 1981.
Prionodon contortus Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Prionodon densus (Hedw.) C. Müll.
Syn.: *Prionodon lycopodium* (C. Müll.) Jaeg.
Dist.: NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, Is G, Africa.
Alt.: 762–3200 m.
Ref.: Gradstein & Weber 1982, Steere 1948.
Prionodon dichotomus Hampe
Dist.: NA5, CA6, SA0, SA2, SA6, SA7, SA8, WIa2, WIa4.
Alt.: 2450–2750 m.
Ref.: Griffin 1970, Buck & Steere 1983.
Prionodon divaricatus Mitt.
Dist.: SA0, SA6.
Alt.: 1218–2286 m.
Ref.: Steere 1948.
Prionodon filifolius Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Prionodon fragilifolius Broth.
Dist.: SA7.
Alt.: 2600–3000 m.
Ref.: Menzel 1992.
Prionodon fusco-lutescens Hampe
Dist.: CA1, CA6, SA0, SA2, SA6, SA7, SA8.
Alt.: 1700–3450 m.
Ref.: Griffin 1975a, Menzel 1992.
Prionodon jamesonii C. Müll.
Dist.: SA6.
Ref.: Steere 1948.
Prionodon kunertii C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Prionodon laeviusculus Mitt.
Dist.: SA0, SA6.
Alt.: 2000–2400 m.
Ref.: Steere 1948.
Prionodon leucodontoides C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Prionodon longissimus Ren. & Card.
Dist.: CA6, SA6.
Alt.: 2000–3000 m.
Ref.: Steere 1948.
Prionodon luteovirens (Tayl.) Mitt.
Dist.: NA5, CA1, CA3, CA6, SA0, SA6, SA7, SA8, WIa1.
Alt.: 1380–3200 m.
Ref.: Bartram 1949, Duarte n.d.
Prionodon lycopodioides Hampe
Dist.: SA0, SA2, SA6, SA7, SA8.
Alt.: 2100 m.
Ref.: Griffin 1970, Steere 1948.
Prionodon patentissimus Besch.
Dist.: SA6, SA8, WIa1.
Alt.: 2800–3500 m.
Ref.: Steere 1948, Duarte n.d.
Prionodon pinnatus Hampe
Dist.: SA8.
Ref.: Hermann 1976.
Prionodon ptychomnioides Broth. in Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Prionodon rigidus Ren. & Card.
Dist.: SA6.
Ref.: Steere 1948.
Prionodon rubiginosus Hampe
Dist.: SA9.
Ref.: Yano 1981.
Prionodon simplex C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.
Prionodon subgeniculatus C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.
Prionodon tenerrimus Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Prionodon ulei C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Pseudephemerum caldense (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Pseudocrossidium apiculatum Williams
Dist.: southern SA, SA7.
Alt.: 2000–2800 m.
Ref.: Hegewald & Hegewald 1985.

Pseudocrossidium aureum (Bartr.) Zand.
Syn.: *Tortula aurea* Bartr.
Dist.: NA4a, NA5, SA10, Africa, Australia, Java, New Zealand.
Alt.: 800–2350 m.
Ref.: Zander 1979, Sollman 1991.

Pseudocrossidium chilense Williams
Dist.: SA7, SA10.
Alt.: 2700–4550 m.
Ref.: Hegewald & Hegewald 1985.

Pseudocrossidium elatum (Williams) Delg.
Syn.: *Crossidium elatum* Williams
Dist.: SA7.
Alt.: 2400–4100 m.
Ref.: Delgadillo 1975, Menzel 1992.

Pseudocrossidium excavatum (Mitt.) Williams
Dist.: SA6, SA7.
Alt.: 2750–4400 m.
Ref.: Hegewald & Hegewald 1985.

Pseudocrossidium pachygastrellum (Herz.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Pseudocrossidium replicatum (Tayl.) Zand. var. *longicuspidatum* Zand.
Dist.: SA7.
Alt.: 3150 m.
Ref.: Menzel 1992, Zander 1986a.

Pseudocrossidium replicatum (Tayl.) Zand. var. *replicatum*
Syn.: *Barbula spiralis* Schimp.
Dist.: NA4a, NA5, CA1, SA0, SA2, SA6, SA7, SA8, Is G, Africa.
Alt.: 400–4200 m.
Ref.: Zander 1979, Sollman 1991.

Pseudocrossidium steerei Churchill
Dist.: SA6.
Alt.: 2000–2500 m.
Ref.: Churchill 1990.

Pseudocryphaea domingensis (Spreng.) Buck
Syn.: *Pseudocryphaea flagellifera* (Brid.) Britt.
Dist.: NA4b, NA5, CA1, CA2, CA6, CA7, SA0, SA2, SA3, SA4, SA7, SA8, SA9, WIa1, WIa3, WIa4, WIa5, WIb.
Alt.: 229–1800 m.
Ref.: Buck 1980c, Buck & Steere 1983.

Pseudodimerodontium bolivianum (C. Müll.) Broth.
Dist.: CA1, SA8.
Ref.: Bartram 1949, Hermann 1976.

Pseudohyophila peruviana (Williams) Hilp.
Syn.: *Hyophila peruviana* Williams
Dist.: SA7.
Alt.: 3800 m.
Ref.: Menzel 1992.

Pseudoleskea andina Schimp. ex Britt.
Dist.: SA7, SA8.
Alt.: 3000 m.
Ref.: Hegewald & Hegewald 1985.

Pseudoleskeella arizonae (Williams) Lawt.
Syn.: *Pseudoleskea arizonae* Williams
Dist.: NA4a, NA5.
Alt.: 2530 m.
Ref.: Lawton 1957.

Pseudoleskeella tectorum (Brid.) Kindb. ex Broth.
Dist.: NA1, NA2, NA3, NA4, NA5, Asia, Europe.
Ref.: Lewinsky 1974.

Pseudopohlia didymodontia (Mitt.) Andr.
Syn.: *Pohlia didymodontia* (Mitt.) Broth.
Dist.: NA5, CA1.
Alt.: 1372 m.
Ref.: Crum 1951.

Pseudoscleropodium purum (Hedw.) Fleisch. ex Broth.
Dist.: NA3, NA4, SA10, WI, Europe, Japan, New Zealand, Taiwan.
Ref.: Allen & Crosby 1987.

Pseudosymblepharis bartramii Thér. ex Bartr.
Dist.: CA6.
Ref.: Bowers 1974.

Pseudosymblepharis schimperiana (Par.) Crum
Syn.: *Tortella mollissima* Broth. ex Bartr.
Dist.: NA5, CA1, CA2, CA3, CA4, CA6, SA0, SA2, SA7, WIa1, WIa2, WIa3, WIa4, WIa5.
Alt.: 300–2650 m.
Ref.: Buck & Steere 1983, Griffin 1975a.

Pseudotaxiphyllum distichaceum (Mitt.) Iwats.
Syn.: *Plagiothecium subfalcatum* Aust.
Dist.: NA, NA5, CA6, SA0, SA2, SA9, WIa4, Asia, Australia.
Alt.: 1750 m.
Ref.: Ireland 1984, 1991, Churchill 1989.

Pseudotaxiphyllum homomallifolium (Redf.) Irel.
Syn.: *Isopterygium homomallifolium* Redf.
Dist.: NA4, NA5.
Alt.: 1350–1875 m.
Ref.: Ireland 1984, 1991.

Pseudotaxiphyllum richardsii (Bartr.) Irel.
Syn.: *Isopterygium richardsii* Bartr.
Dist.: NA5.
Ref.: Ireland 1984, 1991.

Psilopilum aequinoctiale (C. Müll.) Schimp. in C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.

Psilopilum antarcticum (C. Müll.) Par.
Dist.: SA8, Africa.
Ref.: Smith 1971, Hermann 1976.

Pterigynandrum filiforme Hedw.
Dist.: NA, NA5, Asia, Europe.
Ref.: Buck 1980c.

Pterobryon densum Hornsch.
Dist.: NA5, CA1, CA3, CA4, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, WIa2, WIa3, WIa4.
Alt.: 1600–2800 m.
Ref.: Buck & Steere 1983, Crosby 1969b.

Pterobryon excelsum C. Müll.
Dist.: SA0.
Ref.: Churchill 1989.

Pterobryon pusillum Ångstr.
Dist.: SA9.
Ref.: Yano 1981.

Pterobryopsis mexicana (Ren. & Card.) Fleisch.
Syn.: *Pterobryopsis pringlei* Card.
Dist.: NA5, CA1, CA6, CA7.
Ref.: Crosby 1969b, Bowers 1974.

Pterobryopsis stolonacea (C. Müll.) Broth.
Dist.: southern SA, SA8, SA9.
Ref.: Hermann 1976.

Pterobryopsis ulei (Broth.) Fleisch.
Syn.: *? Jaegerina scariosa* (Lor.) Arz.
Dist.: SA9.
Ref.: Yano 1981.

Pterogonidium liliputanum Broth.
Dist.: SA6.
Ref.: Steere 1948.

Pterogonidium pulchellum (Hook.) C. Müll. ex Broth.
Dist.: NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA4, SA5, SA6, SA8, SA9, WIa4, WIa5, WIb.
Alt.: 820–1250 m.
Ref.: Florschütz-de Waard 1990, Crosby 1969b.

Pterogoniopsis cylindrica C. Müll.
Dist.: SA9, SA12.
Ref.: Yano 1989.

Pterogonium beyrichianum Hampe
Dist.: SA9.
Ref.: Yano 1981.

Pterygoneurum ovatum (Hedw.) Dix.
Dist.: NA, NA5, Africa, Caucasus, Europe, India.
Ref.: Delgadillo & Cárdenas 1979.

Pterygoneurum subsessile (Brid.) Jur.
Dist.: NA2, NA3, NA4, NA5, Caucasus, Europe, Siberia.
Ref.: Crum & Anderson 1981.

Ptychomitrium balansae Besch.
Dist.: SA11.
Ref.: Buck 1985a.

Ptychomitrium chimborazense (Spruce ex Mitt.) Jaeg. & Sauerb.
Syn.: *Ptychomitrium cochabambae* (Herz.) Card.
Dist.: NA5, SA6, SA7, SA8, SA12.
Alt.: 2000–4000 m.
Ref.: Deguchi 1987a, Steere 1948.

Ptychomitrium ferrugineum (Herz.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Ptychomitrium fluviatile Broth.
Dist.: SA9.
Ref.: Yano 1981.

Ptychomitrium isoskelos (Duby) Par.
Dist.: SA9.
Ref.: Yano 1981.

Ptychomitrium leibergii Best
Dist.: NA4a, NA4b, NA5, CA1.
Alt.: 1067–1890 m.
Ref.: Crum & Anderson 1981.
Ptychomitrium lepidomitrium (C. Müll.) Schimp. in Besch.
Syn.: *Ptychomitrium cylindrothecium* (C. Müll.) Par.
Dist.: NA5, CA1, SA0, WIa4.
Alt.: 2134–3353 m.
Ref.: Buck & Steere 1983, Steere 1985.
Ptychomitrium lindigii (Hampe) Jaeg.
Dist.: SA0.
Ref.: Florschütz-de Waard & Florschütz 1979.
Ptychomitrium lindmanii (Broth.) Par.
Dist.: SA11.
Ref.: Buck 1985a.
Ptychomitrium lobuliferum (Mitt.) Jaeg.
Dist.: SA0.
Ref.: Florschütz-de Waard & Florschütz 1979.
Ptychomitrium mandonii Schimp. in C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.
Ptychomitrium obtusifolium (Broth.) Par.
Dist.: SA9.
Ref.: Yano 1981.
Ptychomitrium papillosum (Herz.) Card.
Dist.: SA8.
Ref.: Hermann 1976.
Ptychomitrium patens (C. Müll.) Par.
Dist.: SA9.
Ref.: Yano 1981.
Ptychomitrium sellowianum (C. Müll.) Jaeg.
Dist.: southern SA, SA8, SA9.
Ref.: Schäfer-Verwimp 1991.
Ptychomitrium serratum B.S.G.
Dist.: NA4b, NA5.
Ref.: Crum & Anderson 1981.
Ptychomitrium subdentatum Besch.
Dist.: SA11.
Ref.: Buck 1985a.
Ptychomitrium vaginatum Besch.
Dist.: SA9, SA11.
Ref.: Buck 1985a, Yano 1981.
Ptychomitrium weberbaueri Broth. var. *angustifolium* Broth.
Dist.: SA7.
Alt.: 2100 m.
Ref.: Menzel 1992.
Ptychomitrium weberbaueri Broth. var. *weberbauberi*
Dist.: SA7.
Alt.: 2100 m.
Ref.: Deguchi 1987a, Menzel 1992.
Ptychomnion cygnisetum (C. Müll.) Kindb.
Dist.: SA9, SA12, J Fdez.
Ref.: Kühnemann & Gonçalves 1975.
Ptychomnion fruticetorum C. Müll.
Dist.: SA9.
Ref.: Kühnemann & Gonçalves 1975.
Ptychomnion latifolium Ångstr.
Dist.: SA9.
Ref.: Kühnemann & Gonçalves 1975.
Ptychomnium falcatulum Broth.
Dist.: J Fdez.
Ref.: Kühnemann & Gonçalves 1975.
Ptychomnium ptychocarpum (Schwaegr.) Mitt.
Dist.: SA10, SA12, J Fdez.
Ref.: Kühnemann & Gonçalves 1975.
Ptychomnium subaciculare Besch.
Dist.: SA12, J Fdz.
Ref.: Kühnemann & Gonçalves 1975.
Puiggariopsis aurifolia (Mitt.) Menzel
Syn.: *Puiggariella aurifolia* (Mitt.) Broth.
Dist.: NA5, CA1, CA6, SA2, SA7, SA9.
Alt.: 1770–2000 m.
Ref.: Nishimura 1989, Bowers 1974.
Pylaisiadelpha deplanatula (Card.) Buck
Syn.: *Brotherella deplanatula* (Card.) Broth.
Dist.: NA5, CA1, CA3.
Alt.: 1250–2255 m.
Ref.: Winkler 1965, Buck 1984c.
Pylaisiadelpha duellii Crum
Dist.: NA5.
Alt.: 3000–3100 m.
Ref.: Crum 1985c.
Pylaisiadelpha minutula (Bartr.) Buck
Syn.: *Brotherella minutula* Bartr.
Dist.: CA6.
Ref.: Bowers 1974, Buck 1984c.
Pylaisiadelpha sharpii Crum
Dist.: NA5.
Alt.: 1829 m.
Ref.: Crum 1986b.

Pylaisiadelpha tenuirostris (Bruch & Schimp.) Buck
Syn.: *Pylaisiadelpha rhaphidostegioides* (Card.) Card.
Dist.: NA4b, NA5, CA1, CA7, WIa3, Japan.
Alt.: 1981–3078 m.
Ref.: Ando, Seki & Schofield 1989.

Pylaisiella falcata (B.S.G.) Ando
Syn.: *Stereodon falcatus* (B.S.G.) Fleisch.
Dist.: NA5, CA1, CA6, SA0, SA2, SA6, SA7, SA8, China, Himalayas.
Alt.: 1600–3700 m.
Ref.: Ando 1978, Hegewald & Hegewald 1985.

Pylaisiella polyantha (Hedw.) Grout
Dist.: NA, NA5, Asia, Caucasus, China, Europe, Japan.
Ref.: Delgadillo 1970.

Pylaisiella selwynii (Kindb.) Crum, Steere & Anderson
Dist.: NA, NA2, NA5, Asia, Europe.
Alt.: 2000–2500 m.
Ref.: Crum & Anderson 1981.

Pyrrhobryum spiniforme (Hedw.) Mitt.
Syn.: *Rhizogonium spiniforme* (Hedw.) Bruch
Dist.: NA4b, NA5, CA1, CA3, CA5, CA6, CA7, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, SA11, WIa1, WIa3, WIa4, WIa5, Africa, Australia, Asia, Hawaii, Madagascar, New Guinea, New Zealand.
Alt.: 488–2800 m.
Ref.: Manuel 1981b, Florschütz-de Waard 1990.

Racomitrium austrosudeticum Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Racomitrium bartramii (Roiv.) Robins.
Dist.: SA7, SA10.
Alt.: 4100–4400 m.
Ref.: Deguchi 1987a, Menzel 1992.

Racomitrium brachypus (C. Müll.) Par.
Dist.: SA8.
Ref.: Hermann 1976.

Racomitrium crispipilum (Tayl.) Jaeg. & Sauerb.
Syn.: *Racomitrium dimorphum* (C. Müll. ex Britt.) Par.
Dist.: NA5, CA1, CA6, SA0, SA6, SA7, SA8, SA9, SA10, SA12, WIa4, J Fdez.
Alt.: 304–4800 m.
Ref.: Deguchi 1987a, Robinson 1975.

Racomitrium crispulum (Hook. f. & Wils.) Hook. f. & Wils.
Dist.: CA6, CA7, SA2, SA6, SA7, SA8, SA9, SA10, SA12, SA14, WIa4, J Fdez, Africa, Antarctica, Asia, Australia, Kerguelen, New Zealand, Oceania, Tasmania.
Alt.: 1200–3400 m.
Ref.: Lawton 1973, Deguchi 1987a.

Racomitrium cucullatifolium Hampe
Dist.: SA0, SA2, SA9.
Ref.: Schäfer-Verwimp 1991, Churchill 1989.

Racomitrium dichelymoides Herz.
Dist.: SA0.
Ref.: Churchill 1989.

Racomitrium fasciculare (Hedw.) Brid.
Syn.: *Trichostomum fasciculare* Hedw.
Dist.: NA1, NA2, NA3, NA4b, NA5, southern SA, Azores, China, Europe, Hawaii, Japan, New Zealand.
Ref.: Sharp, Crum & Eckel 1994.

Racomitrium lanuginosum (Hedw.) Brid.
Dist.: NA1, NA2, NA3, NA4a, Na4b, SA0, SA6, SA7, SA10, SA14, J Fdez, Africa, Antarctica, Australia, Europe, Hawaii, Japan, New Guinea.
Alt.: 260–2896 m.
Ref.: Crum & Anderson 1981, Deguchi 1987a, Robinson 1975.

Racomitrium tortipilum (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Racomitrium vulcanicum Lor.
Dist.: SA6.
Alt.: 3353–3658 m.
Ref.: Steere 1948.

Racopilum floridae Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Racopilum intermedium Hampe
Dist.: SA0, SA7, SA8.
Alt.: 2600–3000 m.
Ref.: Menzel 1992, Hermann 1976.

Racopilum polythrinicium Spruce ex Mitt.
Dist.: SA6, SA7.
Alt.: 914–2134 m.
Ref.: Steere 1948, Menzel 1992.

Racopilum tomentosum (Hedw.) Brid.
Syn.: *Hypopterygium tomentosum* (Hedw.) C. Müll.
Dist.: NA4b, NA5, CA1, CA2, CA3, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, SA11, WIa1, WIa3, WIa4, WIa5, WIb, Is G, J Fdez, Africa, Bermuda.
Alt.: 600–3658 m.
Ref.: Gradstein & Florschütz-de Waard 1989.

Rauiella bornii (Herz.) Hermann
Dist.: SA8.
Ref.: Gier 1980, Hermann 1976.

Rauiella firmula (C. Müll.) Wijk & Marg.
Dist.: SA2, SA8, SA9, SA12.
Ref.: Gier 1980, Yano 1989, Hermann 1976.

Rauiella lagoensis (Hampe) Buck
Syn.: *Rauiella subcatenulata* (Schimp. ex Besch.) Wijk & Marg.
Dist.: NA5, CA1, CA3, CA4, CA5, CA6, SA2, SA9.
Alt.: 305–2600 m.
Ref.: Gier 1980, Buck 1991a.

Rauiella leskeaefolia (Ren. & Card.) Wijk & Marg.
Dist.: CA6.
Ref.: Gier 1980.

Regmatodon brasiliensis Lindb. ex C. Müll.
Syn.: *Regmatodon schlotheimioides* Spruce ex Mitt.
Dist.: SA6, SA9.
Alt.: 1524 m.
Ref.: Yano 1989, Steere 1948.

Regmatodon filiformis Schimp. ex Besch.
Dist.: NA5, CA1, CA7.
Alt.: 1372–2530 m.
Ref.: Crosby 1969b.

Regmatodon orthostegius Mont.
Syn.: *Regmatodon polycarpus* (Griff.) Mitt.
Dist.: NA5, CA1, CA7, SA0, SA6, SA7, SA8, SA9, Africa, Asia.
Ref.: Bourell 1992, Menzel & Schultze-Motel 1987a.

Renauldia baueri Thér.
Dist.: SA9.
Ref.: Yano 1981.

Renauldia mexicana (Mitt.) Crum
Dist.: NA5, CA3, CA7.
Alt.: 1430–1750 m.
Ref.: Crosby 1969b, Winkler 1965.

Renauldia obovata Thér.
Dist.: SA6.
Alt.: 3200–3500 m.
Ref.: Steere 1948.

Renauldia paradoxica Allen
Dist.: CA7, SA3, SA5.
Alt.: 700–1000 m.
Ref.: Allen 1987a.

Renauldia peruviana (Mitt.) Broth.
Syn.: *Meteorium peruvianum* Mitt.
Dist.: SA7.
Ref.: Menzel 1992.

Rhabdoweisia crenulata (Mitt.) Jameson
Dist.: SA0, Asia, Europe.
Ref.: Zander 1977a, Lawton 1961.

Rhabdoweisia crispata (With.) Lindb.
Dist.: NA, NA5, SA8, WIa4, J Fdez, Africa, Asia, Europe, Oceania.
Ref.: Robinson 1975, Buck & Steere 1983.

Rhabdoweisia fugax (Hedw.) B.S.G.
Syn.: *Rhabdoweisia vulcanica* (C. Müll.) Mitt.
Dist.: NA5, CA1, CA6, SA0, SA2, SA7, SA8, Africa, Europe.
Alt.: 2400–4300 m.
Ref.: Allen 1988, Hegewald 1975, Rooy 1991.

Rhachithecium perpusillum (Thwaites & Mitt.) Broth.
Syn.: *Tortula propagulosa* Sharp
Dist.: NA4b, NA5, SA9, SA12, Africa, Ceylon, China, India, Madagascar.
Alt.: 300–2400 m.
Ref.: Sloover 1976, Zander 1978d.

Rhacocarpus apiculatus (Ren. & Card.) Par.
Dist.: CA6, SA8.
Ref.: Bowers 1974.

Rhacocarpus chlorotus Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Rhacocarpus cuspidatulus (C. Müll.) Par.
Dist.: SA2, SA9.
Ref.: Yano 1981, Pursell 1973.

Rhacocarpus excisus (C. Müll.) Par.
Dist.: SA6, SA8.
Ref.: Steere 1948, Hermann 1976.

Rhacocarpus fontinaloides (C. Müll.) Par.
Dist.: SA9.
Ref.: Yano 1981.

Rhacocarpus inermis (C. Müll.) Lindb. in Broth.
Dist.: SA9.
Ref.: Schäfer-Verwimp 1991.
Rhacocarpus laevigatus Herz.
Dist.: SA9.
Ref.: Yano 1981.
Rhacocarpus obtusoinermis (C. Müll.) Par.
Dist.: SA9.
Ref.: Yano 1981.
Rhacocarpus obtusus Herz.
Dist.: SA9.
Ref.: Yano 1981.
Rhacocarpus orbiculatus (Mitt.) Par.
Dist.: SA7, SA10.
Ref.: Menzel 1992.
Rhacocarpus penniformis (C. Müll.) Par.
Dist.: SA9.
Ref.: Yano 1981.
Rhacocarpus piliformis Broth.
Dist.: SA9.
Ref.: Yano 1981.
Rhacocarpus purpurascens (Brid.) Par.
Dist.: NA5, CA1, CA3, CA6, SA0, SA2, SA3, SA4, SA6, SA7, SA8, SA9, SA10, SA12, WIa4, WIb, J Fdez, Africa, Australia, Campbell Island, Madagascar, New Zealand, Réunion, Tasmania.
Alt.: 1540–4400 m.
Ref.: Sloover 1973, Buck & Steere 1983.
Rhacocarpus rivularis (C. Müll.) Par.
Dist.: SA9.
Ref.: Yano 1981.
Rhacocarpus squamosus Williams
Dist.: SA8, SA9.
Ref.: Yano 1981, Hermann 1976.
Rhacopilopsis trinitensis (C. Müll.) Britt. & Dix.
Dist.: NA5, CA1, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA9, WIb, Africa.
Alt.: 500–2800 m.
Ref.: Bourell 1992, Gradstein & Florschütz-de Waard 1989.
Rhamphidium borinquense Crum & Steere
Dist.: WIa5.
Ref.: Crum & Steere 1957.
Rhamphidium brasiliense Broth.
Dist.: SA9.
Ref.: Yano 1981.
Rhamphidium brevifolium (Lor.) Broth.
Dist.: SA6.
Ref.: Steere 1948.
Rhamphidium dicranoides (C. Müll.) Par.
Dist.: NA5, CA1, CA3, CA6, northern SA, SA6, SA9, WIa1, WIa4, WIa5, Is G.
Alt.: 490–1524 m.
Ref.: Gradstein & Weber 1982, Steere 1948.
Rhamphidium fendleri (C. Müll.) Broth.
Dist.: SA2.
Ref.: Pursell 1973.
Rhamphidium laetum (C. Müll.) Broth.
Dist.: SA11.
Ref.: Buck 1985a.
Rhamphidium ovale Bartr.
Dist.: SA9.
Ref.: Yano 1981.
Rhamphidium pygmaeolum (C. Müll.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Rhaphidorrhynchium amoenum (Hedw.) Fleisch.
Dist.: southern SA, SA2, SA9, Australia, New Zealand.
Ref.: Yano 1981, Pursell 1973.
Rhaphidorrhynchium andinum (Mitt.) Broth.
Dist.: SA6, SA8.
Alt.: 2438 m.
Ref.: Steere 1948, Hermann 1976.
Rhaphidorrhynchium argyroviride (Hampe) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Rhaphidorrhynchium brachypus (Hampe) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Rhaphidorrhynchium calamicola (C. Müll.) Broth.
Syn.: *Sematophyllum calamicola* (C. Müll.) Yano
Dist.: SA9.
Ref.: Yano 1989.
Rhaphidorrhynchium capillifolium (Herz.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Rhaphidorrhynchium cyparissoides (Hornsch.) Broth.
Syn.: *Sematophyllum cyparissoides* (Hornsch.) Williams
Dist.: SA7, SA9.
Alt.: 2300–3970 m.
Ref.: Menzel 1992.
Rhaphidorrhynchium decumbens (Mitt.) Broth.
Dist.: CA, SA2, SA6, SA8, SA9.
Ref.: Steere 1948, Hermann 1976.

Rhaphidorrhynchium decurvifolium (Mitt.) Broth.
Dist.: SA2, SA9.
Ref.: Yano 1981, Pursell 1973.

Rhaphidorrhynchium distantifolium (C. Müll.) Broth.
Dist.: western SA, SA9.
Ref.: Yano 1981.

Rhaphidorrhynchium erythropodium (Mitt.) Broth.
Dist.: SA2.
Ref.: Pursell 1973.

Rhaphidorrhynchium fluminicola (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Rhaphidorrhynchium geheebii (Herz.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Rhaphidorrhynchium glaziovii (Hampe) Broth.
Syn.: *Sematophyllum glaziovii* (Hampe) Yano
Dist.: SA2, SA9.
Ref.: Yano 1989, Pursell 1973.

Rhaphidorrhynchium incurvum (Hampe) Fleisch.
Dist.: SA9.
Ref.: Yano 1981.

Rhaphidorrhynchium itatiaiae (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Rhaphidorrhynchium leptochaeton (Schwaegr.) Broth.
Dist.: SA3, SA9, WIb.
Ref.: Yano 1989.

Rhaphidorrhynchium levieri (Par.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Rhaphidorrhynchium lignicola (Ångstr.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Rhaphidorrhynchium macrorhynchum (Hornsch.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Rhaphidorrhynchium marmellense (Broth.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Rhaphidorrhynchium minutum (Broth.) Broth.
Syn.: *Sematophyllum minutum* Broth.
Dist.: SA9.
Ref.: Yano 1989.

Rhaphidorrhynchium oblique-rostratum (Mitt.) Broth.
Dist.: CA, SA2, SA6, SA8.
Alt.: 1219–2134 m.
Ref.: Steere 1948, Hermann 1976.

Rhaphidorrhynchium olfersii (Hornsch.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Rhaphidorrhynchium percondensatum (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Rhaphidorrhynchium prominulum (Mitt.) Broth.
Syn.: *Sematophyllum prominulum* Mitt.
Dist.: SA7, SA8.
Alt.: 600 m.
Ref.: Menzel 1992, Hermann 1976.

Rhaphidorrhynchium pseudocallidioides (Broth.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Rhaphidorrhynchium rueckeri (Herz.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Rhaphidorrhynchium sanguisetum (C. Müll.) Broth.
Dist.: SA2.
Ref.: Pursell 1973.

Rhaphidorrhynchium saprobolax (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Rhaphidorrhynchium schlimii (C. Müll.) Broth.
Syn.: *Trichosteleum schlimii* (C. Müll.) Williams
Dist.: SA0, SA2, SA9.
Ref.: Pursell 1973.

Rhaphidorrhynchium subscabrum (C. Müll.) Broth.
Dist.: SA2.
Ref.: Pursell 1973.

Rhaphidorrhynchium symbolax (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Rhaphidorrhynchium tereticaule (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Rhaphidorrhynchium trichostegum (C. Müll.) Broth.
Dist.: SA2.
Ref.: Pursell 1973.

Rhaphidorrhynchium warmingii (Hampe) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Rhaphidorrhynchium xylophilum (Mitt.) Broth.
Syn.: *Rhaphidorrhynchium liliputianum* (Mart.) Broth.
Dist.: CA6, SA9, WIa1.
Ref.: Bizot 1973.
Rhaphidostegium chiquitanum Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Rhaphidostegium chlorocormum (C. Müll.) Par.
Dist.: SA8.
Ref.: Hermann 1976.
Rhaphidostegium cylindrothecium Broth.
Dist.: SA9.
Ref.: Yano 1981.
Rhaphidostegium densirete Herz.
Dist.: SA8, SA9.
Ref.: Hermann 1976.
Rhaphidostegium eurycystis Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Rhaphidostegium fulvoalare Broth.
Dist.: SA9.
Ref.: Yano 1981.
Rhaphidostegium guarayum Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Rhaphidostegium hoehnei Herz.
Dist.: SA9.
Ref.: Yano 1981.
Rhaphidostegium luetzelburgii Herz.
Dist.: SA9.
Ref.: Yano 1981.
Rhaphidostegium pectinatum Herz.
Dist.: SA9.
Ref.: Yano 1981.
Rhaphidostegium robusticaule Broth.
Dist.: SA9.
Ref.: Yano 1981.
Rhaphidostegium turgidulum Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Rhaphidostegium undulatum Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Rhaphidostichum acestrostegium (Sull.) Buck
Dist.: WIa1, WIa5.
Ref.: Buck 1989d.
Rhaphidostichum elegans Robins.
Dist.: SA2.
Ref.: Pursell 1973.
Rhaphidostichum schwaneckeanum (C. Müll.) Broth.
Dist.: WIa1, WIa5, WIb.
Ref.: Buck 1989d.
Rhexophyllum subnigrum (Mitt.) Hilp.
Syn.: *Neocardotia subnigra* (Mitt.) Thér. & Bartr.
Dist.: NA4a, NA5, SA7, SA8.
Alt.: 1980–4035 m.
Ref.: Hegewald & Hegewald 1985.
Rhizogonium bolivianum Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Rhizogonium lindigii (Hampe) Mitt.
Dist.: NA5, CA1, CA6, SA0, SA2, SA3, SA7, SA9, WIa4, Sumatra.
Alt.: 1525–2560 m.
Ref.: Buck & Steere 1983, Menzel 1992.
Rhizogonium mnioides (Hook.) Wils.
Dist.: CA6, SA7, SA8, J Fdez, Australia, New Zealand.
Alt.: 3100–3300 m.
Ref.: Robinson 1975, Menzel 1992.
Rhizogonium sublimbatum Crum
Dist.: CA6, SA9.
Ref.: Schäfer-Verwimp 1991.
Rhodobryum andinoroseum (C. Müll.) Par.
Dist.: SA2.
Ref.: Pursell 1973.
Rhodobryum aubertii (Schwaegr.) Thér.
Syn.: *Bryum aubertii* (Schwaegr.) Brid.
Dist.: SA7, SA9, Africa.
Alt.: 2000–3100 m.
Ref.: Ochi 1985, Menzel 1992.
Rhodobryum beyrichianum (Hornsch.) C. Müll. ex Hampe
Syn.: *Rhodobryum domingense* (Brid.) Besch.
Dist.: NA5, CA1, CA2, CA3, CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, SA10, SA11, SA12, SA13, WIa1, WIa3, WIa4, WIa5, WIb.
Alt.: 100–2900 m.
Ref.: Florschütz-de Waard 1990, Ochi 1981a.
Rhodobryum confluens (C. Müll.) Par.
Syn.: *Bryum confluens* C. Müll.
Dist.: CA1, CA3.
Alt.: 1620–2600 m.
Ref.: Winkler 1965.

Rhodobryum grandifolium (Tayl.) Schimp. in Par.
Syn.: *Bryum grandifolium* (Tayl.) C. Müll.
Dist.: NA5, SA0, SA2, SA6, SA7, SA8, SA9.
Alt.: 700–3815 m.
Ref.: Ochi 1981a, Yano 1989, Hermann 1976.

Rhodobryum huillense (Welw. & Duby) Touw
Syn.: *Bryum huillense* Welw. & Duby
Dist.: NA5, SA7, SA8, SA9, Africa, Asia.
Alt.: 800–2950 m.
Ref.: Ochi 1974, 1980, Yano 1989.

Rhodobryum majus Bartr.
Dist.: SA9.
Ref.: Yano 1981.

Rhodobryum perspinidens (Broth.) Pócs
Dist.: SA0, Africa.
Alt.: 3200 m.
Ref.: Churchill 1989, Ochi 1981a.

Rhodobryum pycnopyxis (C. Müll.) Par.
Dist.: SA2.
Ref.: Pursell 1973.

Rhodobryum roseodens (C. Müll.) Par.
Dist.: SA0.
Alt.: 3962 m.
Ref.: Churchill 1989, Ochi 1981a.

Rhodobryum roseum (Hedw.) Limpr.
Syn.: *Bryum roseum* (Hedw.) Gaertn., Meyer & Scherb.
Dist.: NA, NA5, CA1, SA0, SA7, SA8, SA9, Is G, Africa, Europe, Himalayas, Japan, Siberia.
Alt.: 1829–3600 m.
Ref.: Ochi 1981a, Gradstein & Weber 1982.

Rhodobryum subverticillatum Broth.
Dist.: SA9, SA13.
Alt.: 910 m.
Ref.: Ochi 1981a, Yano 1989.

Rhynchostegiella capillacea (Hornsch.) Visnadi & Allen
Syn.: *Lindigia aciculata* (Tayl.) Hampe
Dist.: NA5, CA1, CA4, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, SA12, WIa2, WIa3, WIa4.
Alt.: 853–3353 m.
Ref.: Visnadi & Allen 1991, Yano 1989.

Rhynchostegiopsis brasiliensis Broth.
Dist.: SA9.
Ref.: Yano 1981.

Rhynchostegiopsis carolae Crosby
Dist.: CA6.
Alt.: 2100–2680 m.
Ref.: Crosby 1976.

Rhynchostegiopsis complanata C. Müll.
Dist.: CA6, SA8.
Ref.: Welch 1976, Hermann 1976.

Rhynchostegiopsis costaricensis Robins. & Griffin
Dist.: CA6, SA0.
Alt.: 2300–2700 m.
Ref.: Churchill 1989.

Rhynchostegiopsis flexuosa (Sull.) C. Müll.
Dist.: NA5, CA1, CA4, CA6, SA0, WIa1, WIa2, WIa3, WIa4, WIa5, WIb.
Alt.: 1219–2073 m.
Ref.: Welch 1976, Buck & Steere 1983.

Rhynchostegiopsis serrata (Besch.) Broth.
Dist.: WIb.
Ref.: Welch 1976.

Rhynchostegiopsis tunguraguana (Mitt.) Broth.
Syn.: *Rhynchostegiopsis planifolia* Crum & Bartr.
Dist.: NA5, SA0, SA6, SA7, WIa2.
Alt.: 1829–3000 m.
Ref.: Bourell 1992, Churchill 1989, Steere 1948, Welch 1976.

Rhynchostegium alboviridum Williams
Dist.: SA8.
Ref.: Hermann 1976.

Rhynchostegium apophysatum (Hornsch.) Jaeg.
Dist.: SA9.
Ref.: Yano 1981.

Rhynchostegium argute-serratum Bartr.
Dist.: SA2, WIa4, WIa5.
Ref.: Sastre & Buck ms., Zanoni 1990.

Rhynchostegium assumptionis Besch.
Dist.: SA11.
Ref.: Buck 1985a.

Rhynchostegium beskeanum (C. Müll.) Jaeg.
Dist.: SA2, SA9.
Ref.: Schäfer-Verwimp 1991.

Rhynchostegium brachypyxis Ren. & Card.
Dist.: CA6.
Ref.: Bowers 1974.

Rhynchostegium brevirete Broth. in Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Rhynchostegium campylocarpum (C. Müll.) De Not.
Dist.: SA2, SA6.
Ref.: Steere 1948, Pursell 1973.

Rhynchostegium chrysophylloides Jaeg.
Dist.: SA0.
Ref.: Churchill 1989.

Rhynchostegium compridense (Broth.) Par.
Dist.: SA9.
Ref.: Yano 1981.
Rhynchostegium conchophyllum (Tayl.) Jaeg.
Dist.: SA0, SA2, SA6, SA7, SA8, SA9.
Alt.: 1850–2900 m.
Ref.: Steere 1948, Menzel 1992.
Rhynchostegium finitimum (Hampe) Ångstr.
Dist.: SA9.
Ref.: Yano 1981.
Rhynchostegium fissidentellum Besch.
Dist.: SA11.
Ref.: Buck 1985a.
Rhynchostegium inerme (Mitt.) Jaeg.
Dist.: SA6.
Alt.: 2300–3048 m.
Ref.: Steere 1948.
Rhynchostegium lamasicum (Mitt.) Besch.
Dist.: SA6, SA7, SA8, SA9.
Alt.: 450–1219 m.
Ref.: Steere 1948, Menzel 1992.
Rhynchostegium lindmanii (Broth.) Par.
Dist.: SA11.
Ref.: Buck 1985a.
Rhynchostegium malmei (Broth.) Par.
Dist.: SA9.
Ref.: Yano 1981.
Rhynchostegium megapolitanum (Web. & Mohr) B.S.G.
Dist.: SA9, Africa, Asia, Europe.
Ref.: Yano 1989.
Rhynchostegium microthamnioides C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Rhynchostegium minutum C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.
Rhynchostegium pallidius (Hampe) Jaeg.
Dist.: SA9.
Ref.: Yano 1981.
Rhynchostegium parvulum Broth.
Dist.: SA6.
Alt.: 900–3000 m.
Ref.: Steere 1948.
Rhynchostegium planifolium C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.
Rhynchostegium pringlei Card.
Syn.: *Eurhynchium pringlei* (Card.) Crum & Anderson
Dist.: NA4b, NA5.
Alt.: 750–2200 m.
Ref.: Crum 1951, Crum & Anderson 1981.
Rhynchostegium pulchellum (Hedw.) Robins. var. *praecox* (Hedw.) McFarland
Syn.: *Eurhynchium pulchellum* (Hedw.) Jenn. var. *praecox* (Hedw.) Dix.
Distr.: NA4, NA5, Europe, Africa, Asia.
Ref.: McFarland 1992b, Sharp, Crum & Eckel 1994.
Rhynchostegium pulchellum (Hedw.) Robins. var. *pulchellum*
Syn.: *Eurhynchium pulchellum* (Hedw.) Jenn.
Dist.: NA5, CA1, CA6, SA0, SA2, SA6, SA7, WIa4, Algeria, Asia, Canary Islands, Caucasus, Europe, Japan.
Alt.: 1780–4100 m.
Ref.: Griffin 1975a, Steere 1948.
Rhynchostegium riparioides (Hedw.) Card.
Dist.: NA4, NA5, CA1, SA0, SA2, SA7, WIa3, Africa, Asia, Europe.
Alt.: 1300–3970 m.
Ref.: Buck & Steere 1983, Kis 1985.
Rhynchostegium rivale (Hampe) Jaeg.
Dist.: SA9.
Ref.: Yano 1981.
Rhynchostegium robustum Buck
Dist.: WIa1, WIa3, WIa4, WIa5.
Alt.: 400–1400 m.
Ref.: Buck 1988a.
Rhynchostegium scariosum (Tayl.) Jaeg. & Sauerb.
Syn.: *Steerecleus scariosus* (Tayl.) Robins.
Dist.: NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, WIa4.
Alt.: 600–3650 m.
Ref.: Buck & Steere 1983, Crosby 1969b.
Rhynchostegium sellowii (Hornsch.) Jaeg.
Dist.: SA2, SA9.
Ref.: Yano 1981, Pursell 1973.
Rhynchostegium semiscabrum (Bartr.) Robins.
Syn.: *Eurhynchium semiscabrum* Bartr.
Dist.: NA5, CA1, CA6, SA0.
Alt.: 1000–2750 m.
Ref.: Bowers, Sharp & Robinson 1973.

Rhynchostegium serrulatum (Hedw.) Jaeg. & Sauerb.
Syn.: *Steerecleus serrulatus* (Hedw.) Robins.
Dist.: NA, NA5, CA5, CA6, SA0, SA2, SA7, SA8, WIa1, WIa3, WIa4, WIa5, Is G, Japan, Korea.
Alt.: 1500–3000 m.
Ref.: Gradstein & Weber 1982.

Rhynchostegium sparsirameum (Geh. & Hampe) Par.
Dist.: SA9.
Ref.: Yano 1981.

Rhynchostegium subperspicuum (C. Müll.) Broth.
Dist.: SA2.
Ref.: Pursell 1973.

Rhynchostegium subrotundum (Hampe) Jaeg.
Dist.: SA0.
Ref.: Churchill 1989.

Rhynchostegium subrusciforme (C. Müll.) Jaeg. & Sauerb.
Syn.: *Platyhypnidium subrusciforme* (C. Müll.) Fleisch.
Dist.: NA5, CA1, SA8.
Alt.: 700–2200 m.
Ref.: Hermann 1976.

Rhynchostegium tocaremae (Hampe) Jaeg.
Dist.: SA0, SA8.
Ref.: Hermann 1976, Churchill 1989.

Rhynchostegium trachynotum (C. Müll.) Kindb.
Dist.: SA2.
Ref.: Pursell 1973.

Rhynchostegium tubaronense C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Rhynchostegium ulicon (Tayl.) Jaeg.
Dist.: SA0, SA6, SA7.
Alt.: 450–3000 m.
Ref.: Steere 1948, Menzel 1986b, 1992.

Rhytidium rugosum (Hedw.) Kindb.
Dist.: NA, NA5, CA1, SA8, Africa, Asia, Caucasus, Europe, Japan.
Alt.: 1829–3658 m.
Ref.: Kis 1985, Hermann 1976.

Richardsiopsis lacustris (Herz. & Rich. in Rich.) Ochyra
Syn.: *Sciaromium lacustre* Herz. & Rich.
Dist.: SA7.
Alt.: 3800–4150 m.
Ref.: Menzel 1992, Ochyra 1986.

Rigodium implexum Schwaegr.
Dist.: SA7, SA10, SA12.
Alt.: 2750–2800 m.
Ref.: Crum 1981a, Menzel 1992.

Rigodium penicilliferum C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Rigodium toxarion (Schwaegr.) Jaeg. var. *toxarion*
Syn.: *Rigodium gracile* Ren. & Card.
Dist.: NA5, CA1, CA3, CA7, SA0, SA2, SA6, SA7, SA8, SA9, SA10, SA12, SA13, WIa3, WIa4, J Fdez, Africa.
Alt.: 1200–3048 m.
Ref.: Churchill 1989, Robinson 1975, Zomlefer 1993.

Rozea andrieuxii (C. Müll.) Besch. var. *andrieuxii*
Syn.: *Rozea chrysea* fo. *andrieuxii* (C. Müll.) Buck & Crum
Dist.: NA5, CA1.
Ref.: Buck 1981c, Buck & Crum 1976.

Rozea andrieuxii (C. Müll.) Besch. fo. *chrysea* (Besch.) Buck
Syn.: *Rozea chrysea* Besch.
Dist.: NA5, CA1, SA2.
Ref.: Buck 1981c, Buck & Crum 1976.

Rozea andrieuxii (C. Müll.) Besch. var. *bourgaeana* (Besch.) Buck
Syn.: *Rozea bourgaeana* Besch.
Dist.: NA5, CA1, CA3, SA2.
Alt.: 350–3670 m.
Ref.: Buck 1981c, Buck & Crum 1976, Griffin 1975a.

Rozea subjulacea Besch.
Dist.: NA5, CA1, SA0, SA2.
Ref.: Buck 1980b, Buck & Crum 1976, Churchill 1989.

Sagenotortula quitoensis (Tayl. in Hook.) Zand.
Syn.: *Tortula mniadelphus* (C. Müll.) Broth.
Dist.: NA5, SA0, SA6, SA7, SA8.
Alt.: 3000–4000 m.
Ref.: Mishler 1985, Zander 1989.

Saitoella peruviana (Williams) Menzel
Syn.: *Globulinella peruviana* (Williams) Steere ex Steere & Chapman
Dist.: NA5, SA7.
Alt.: 3700–4100 m.
Ref.: Zander 1989, Menzel 1992.

Sarmentypnum sarmentosum (Wahlenb.) Tuom. & Kop.
Syn.: *Calliergon sarmentosum* (Wahlenb.) Kindb.
Dist.: SA0.
Ref.: Tuomikoski & Koponen 1979.

Schimperobryum splendidissimum (Mont.) Marg.
Dist.: SA10, J Fdez.
Alt.: 350–500 m.
Ref.: Matteri 1972, Deguchi 1991.

Schistidium angustifolium (Mitt.) Herz.
Syn.: *Schistidium supraemorsum* Broth. in Herz.
Dist.: SA6, SA8.
Ref.: Bremer 1980, Steere 1948.

Schistidium falcatum (Hook. f. & Wils.) Bremer
Syn.: *Schistidium fontanum* Herz.
Dist.: SA8, SA10.
Ref.: Bremer 1980, Deguchi 1991.

Schistidium streptophyllum (Sull.) Herz.
Dist.: SA8.
Ref.: Bremer 1980.

Schizomitrium cirrhosum (Hampe) Buck
Syn.: *Hookeria cirrhosa* Hampe
Dist.: SA9.
Ref.: Buck 1987a.

Schizomitrium subsecundum (Mitt.) Buck
Syn.: *Hookeria subsecunda* Mitt.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Alt.: 2134–2438 m.
Ref.: Buck 1987a, Steere 1948.

Schizymenium ampullaceum (Broth.) Shaw
Dist.: SA7.
Alt.: 4700–5100 m.
Ref.: Menzel 1992, Shaw 1985.

Schizymenium andinum (Sull.) Shaw
Dist.: SA7, SA8.
Alt.: 4100–4550 m.
Ref.: Menzel 1992, Shaw 1985.

Schizymenium bogotense (Hampe) Shaw
Dist.: SA0, SA7.
Alt.: 3000–4400 m.
Ref.: Menzel 1986a, 1992, Shaw 1985.

Schizymenium bolivianum (Schimp. ex C. Müll.) Shaw
Dist.: SA7, SA8.
Alt.: 4200–4570 m.
Ref.: Menzel 1986a, 1992, Shaw 1985.

Schizymenium brevicaulis (Hornsch.) Shaw & Churchill
Dist.: SA0.
Ref.: Churchill 1989.

Schizymenium campylocarpum (Hook. & Arn. ex Hook.) Shaw
Dist.: NA5, CA1, southern SA, SA0, SA2, SA6, SA7, SA8, SA9, Africa, Australia, Hawaii, New Zealand.
Alt.: 2950–4570 m.
Ref.: Allen 1988, Churchill 1989.

Schizymenium clavellatum (Mitt.) Shaw
Dist.: SA0.
Ref.: Churchill 1989, Shaw 1985.

Schizymenium costaricense (Shaw & Crum) Shaw
Syn.: *Synthetodontium costaricense* Shaw & Crum
Dist.: CA6.
Alt.: 3040 m.
Ref.: Shaw & Crum 1982, Shaw 1985.

Schizymenium cygnicollum (Schimp. ex C. Müll.) Shaw
Dist.: SA7, SA8.
Alt.: 4270 m.
Ref.: Menzel 1992, Shaw 1985.

Schizymenium decurrens (C. Müll.) Shaw
Dist.: SA7, SA8.
Alt.: 4400 m.
Ref.: Menzel 1986a, 1992, Shaw 1985.

Schizymenium dolichothecum (Herz.) Shaw & Churchill
Dist.: SA0.
Ref.: Churchill 1989.

Schizymenium gracilisetum (Hampe) Shaw
Dist.: NA5, CA6, SA0, SA2.
Alt.: 2900–3600 m.
Ref.: Churchill 1989, Shaw & Crum 1982.

Schizymenium landii (Card.) Shaw
Syn.: *Mielichhoferia landii* Card.
Dist.: NA5.
Alt.: 2134–3353 m.
Ref.: Shaw & Crum 1982, Shaw 1985.

Schizymenium lindigii (Hampe) Shaw
Dist.: SA0, SA6, SA8.
Ref.: Steere 1948, Shaw 1985.

Schizymenium linearicaulis (C. Müll.) Shaw
Syn.: *Mielichhoferia linearicaulis* C. Müll.
Dist.: SA9.
Ref.: Shaw 1985.

Schizymenium nanum Tayl.
Syn.: *Mielichhoferia nana* (Tayl.) C. Müll.
Dist.: SA6, SA7.
Alt.: 4200 m.
Ref.: Steere 1948, Menzel 1986a, 1992.

Schizymenium pectinatum (C. Müll.) Shaw & Churchill
Dist.: SA0.
Ref.: Churchill 1989.

Schizymenium pohlioideum (C. Müll.) Shaw
Dist.: southern SA, SA8.
Ref.: Shaw 1985.

Schizymenium pseudopohlia Shaw
Dist.: SA0, SA6.
Alt.: 3200–3800 m.
Ref.: Churchill 1989, Shaw 1987.

Schizymenium pusillum (Hook. f. & Wils.) Shaw
Dist.: SA0, SA8, SA9.
Ref.: Churchill 1989, Shaw 1985.

Schizymenium schiedeanum (C. Müll.) Shaw
Syn.: *Mielichhoferia schiedeana* C. Müll.
Dist.: NA5.
Alt.: 3200–4572 m.
Ref.: Shaw & Crum 1982, Shaw 1985.

Schizymenium schimperi Shaw
Dist.: SA8.
Ref.: Shaw 1985.

Schizymenium serratum (Card. & Herz. ex Card.) Shaw
Syn.: *Mielichhoferia serrata* Card. & Herz. ex Card.
Dist.: NA5.
Alt.: 2800–3960 m.
Ref.: Shaw & Crum 1982, Shaw 1985.

Schizymenium subglobosum (Williams) Shaw
Dist.: SA8.
Ref.: Shaw 1985.

Schizymenium submacrodontum (Broth. in Herz.) Shaw
Dist.: SA8.
Ref.: Shaw 1985.

Schizymenium subobliquum (Hampe) Shaw & Churchill
Dist.: SA0.
Ref.: Churchill 1989.

Schizymenium weberbaueri (Broth.) Shaw
Syn.: *Mielichhoferia weberbaueri* Broth.
Dist.: SA7.
Alt.: 4400–4900 m.
Ref.: Menzel 1992, Shaw 1985.

Schliephackea meteorioides (Williams) Broth.
Dist.: CA6, CA7, SA0.
Alt.: 700–2600 m.
Ref.: Allen 1990b, Churchill 1989.

Schliephackea prostrata C. Müll.
Dist.: SA0.
Ref.: Churchill 1989.

Schlotheimia angustata Mitt.
Dist.: CA1, SA0, SA6, SA7, SA8.
Alt.: 900–2134 m.
Ref.: Bartram 1949, Steere 1948.

Schlotheimia appressifolia Mitt.
Dist.: SA9.
Ref.: Yano 1981, 1989.

Schlotheimia araucarieti C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Schlotheimia argentinica Lor. & C. Müll.
Dist.: SA8, SA11.
Ref.: Hermann 1976, Buck 1985a.

Schlotheimia breviseta Ångstr.
Dist.: SA8, SA9.
Ref.: Yano 1981, Hermann 1976.

Schlotheimia calomitria Broth.
Dist.: SA7.
Alt.: 2400 m.
Ref.: Menzel 1992.

Schlotheimia campylopus C. Müll. in Broth.
Dist.: SA8, SA9.
Ref.: Yano 1981, Hermann 1976.

Schlotheimia capillaris Hampe
Dist.: SA9.
Ref.: Yano 1981.

Schlotheimia capillidens C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Schlotheimia chamissonis Hornsch.
Dist.: SA9.
Ref.: Yano 1981, 1989.

Schlotheimia clavata Geh. & Hampe
Dist.: SA9.
Ref.: Yano 1981.

Schlotheimia compacta C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Schlotheimia cuspidifera Mitt.
Dist.: SA9.
Ref.: Yano 1981.

Schlotheimia dichotoma C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Schlotheimia elata Mitt.
Dist.: SA9.
Ref.: Yano 1981.
Schlotheimia emergens Mitt.
Dist.: SA9.
Ref.: Yano 1981.
Schlotheimia fasciculata Mitt.
Dist.: SA9.
Ref.: Yano 1981.
Schlotheimia furcata Mitt.
Dist.: SA9.
Ref.: Yano 1981.
Schlotheimia fuscoviridis Hornsch.
Dist.: NA, SA8, SA9.
Ref.: Yano 1981, Hermann 1976.
Schlotheimia glauca C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.
Schlotheimia glaziovii Hampe
Dist.: SA9.
Ref.: Yano 1981.
Schlotheimia gracilescens Broth.
Dist.: SA9.
Ref.: Yano 1981.
Schlotheimia gracilis Hornsch.
Dist.: SA9.
Ref.: Yano 1981.
Schlotheimia grammocarpa C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Schlotheimia grandiareolata C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.
Schlotheimia henscheniana C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Schlotheimia horridula C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Schlotheimia jamesonii (Arnott) Brid.
Dist.: NA5, SA2, SA4, SA5, SA6, SA7, SA8, SA9, WIa2, WIa5, Is G.
Ref.: Florschütz-de Waard 1990, Steere 1948.
Schlotheimia juliformis Geh. & Hampe
Dist.: SA9.
Ref.: Yano 1981.
Schlotheimia kegeliana (C. Müll.) C. Müll.
Dist.: SA4, SA9.
Ref.: Yano 1989.
Schlotheimia krausei Hampe & Lor.
Dist.: SA6, SA8.
Alt.: 1372 m.
Ref.: Steere 1948, Hermann 1976.
Schlotheimia lasiomitria C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.
Schlotheimia lindmanii Broth.
Dist.: SA8, SA9, SA11.
Ref.: Hermann 1976, Buck 1985a.
Schlotheimia linearifolia (C. Müll.) Wijk & Marg.
Dist.: southern SA, SA9.
Ref.: Yano 1981.
Schlotheimia longicaulis Broth. in Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Schlotheimia muelleri Hampe
Dist.: SA9.
Ref.: Yano 1981.
Schlotheimia paraguensis Besch.
Dist.: SA11.
Ref.: Buck 1985a.
Schlotheimia perserrata Sehnem
Dist.: SA9.
Ref.: Yano 1981.
Schlotheimia pilomitria C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.
Schlotheimia pseudoaffinis C. Müll.
Dist.: western SA, SA9.
Ref.: Yano 1981.
Schlotheimia puiggarii (Duby) Geh. & Hampe
Dist.: SA9.
Ref.: Yano 1981.
Schlotheimia pungentissima C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.
Schlotheimia recurvifolia Hornsch.
Dist.: SA9.
Ref.: Yano 1981.
Schlotheimia regnellii Ångstr.
Dist.: SA9.
Ref.: Yano 1981.
Schlotheimia robusticuspis C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Schlotheimia rugifolia (Hook.) Schwaegr.
Dist.: NA4b, NA5, CA1, CA3, CA6, SA0, SA2, SA3, SA4, SA5, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5.
Alt.: 440–1700 m.
Ref.: Florschütz-de Waard 1990, Buck 1990a.

Schlotheimia rusbyana C. Müll. ex Britt.
Dist.: SA8.
Ref.: Hermann 1976.

Schlotheimia serricalyx C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Schlotheimia spinulosa Broth.
Dist.: SA7.
Alt.: 1300 m.
Ref.: Menzel 1992.

Schlotheimia squarrosa Brid.
Dist.: SA9, Réunion, Madagascar.
Ref.: Yano 1989.

Schlotheimia sublaxa Hampe
Dist.: SA9.
Ref.: Yano 1981.

Schlotheimia sublevifolia C. Müll.
Dist.: CA1, CA6, SA8.
Ref.: Bartram 1949, Hermann 1976.

Schlotheimia subsinuata Geh. & Hampe
Dist.: SA9.
Ref.: Yano 1981.

Schlotheimia tecta Hook. f. & Wils.
Dist.: NA5, SA9, WIa2, WIa4.
Ref.: Buck & Steere 1983, Robinson 1964.

Schlotheimia torquata (Hedw.) Brid.
Dist.: CA2, SA0, SA2, SA3, SA4, SA5, SA7, SA8, SA9, WIa1, WIa3, WIa4, WIa5.
Alt.: 500–1900 m.
Ref.: Gradstein & Florschütz-de Waard 1989.

Schlotheimia trichomitria Schwaegr.
Dist.: southern SA, SA2, SA8, SA9.
Ref.: Schäfer-Verwimp 1991, Hermann 1976.

Schlotheimia uncialis Geh. & Hampe
Dist.: SA9.
Ref.: Yano 1981.

Schlotheimia wainioi Broth.
Dist.: SA9.
Ref.: Yano 1981.

Schoenobryum blumenauianum (Hampe) Manuel
Syn.: *Acrocryphaea blumenauiana* (Hampe) Fleisch.
Dist.: SA9.
Ref.: Manuel 1977c.

Schoenobryum caripense (C. Müll.) Manuel
Dist.: SA2, SA6, SA9.
Alt.: 2438–2743 m.
Ref.: Manuel 1981a, Steere 1948.

Schoenobryum evanescens (C. Müll.) Manuel
Syn.: *Cryphaea evanescens* C. Müll.
Dist.: SA9.
Ref.: Manuel 1977c.

Schoenobryum gardneri (Mitt.) Manuel
Syn.: *Schoenobryum coffeae* (C. Müll.) Manuel
Dist.: NA5, CA1, CA3, CA4, CA5, CA6, SA0, SA6, SA7, SA9, SA11, WIa1, WIa2, WIa4, WIa5, WIb.
Alt.: 76–2220 m.
Ref.: Manuel 1981a, Buck & Steere 1983.

Schoenobryum henscheni (C. Müll. ex Ångstr.) Manuel
Syn.: *Acrocryphaea henscheni* (Ångstr.) Fleisch.
Dist.: SA9.
Ref.: Manuel 1977c.

Schoenobryum julaceum Dozy & Molk.
Dist.: CA5, CA6, SA6, SA8, SA9, SA11.
Ref.: Manuel 1981a, Yano 1989, Steere 1948.

Schoenobryum kunertii (C. Müll.) Manuel
Syn.: *Acrocryphaea kunertii* (C. Müll.) Broth.
Dist.: SA9.
Ref.: Manuel 1977c.

Schoenobryum leiboldii (C. Müll.) Manuel
Syn.: *Acrocryphaea leiboldii* (C. Müll.) Wijk & Marg.
Dist.: SA9.
Ref.: Manuel 1977c.

Schoenobryum leptopteris (C. Müll.) Manuel
Syn.: *Acrocryphaea leptopteris* (C. Müll.) Broth.
Dist.: SA9.
Ref.: Manuel 1977c.

Schoenobryum mittenii (Jaeg.) Manuel
Syn.: *Cryphaea mittenii* Jaeg.
Dist.: CA7, SA9.
Alt.: 1200–1800 m.
Ref.: Manuel 1981a.

Schoenobryum paraguense (Besch.) Manuel
Dist.: SA11.
Ref.: Manuel 1977c, Buck 1985a.

Schoenobryum rubicaule (Mitt.) Manuel
Syn.: *Acrocryphaea rubicaulis* (Mitt.) Jaeg.
Dist.: SA0, SA6, SA9.
Alt.: 900–2600 m.
Ref.: Robinson, Holm-Nielsen & Jeppesen 1971.

Schraderella pungens C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.

Schroeterella zigodonta Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Schwetschkeopsis fabronia (Schwaegr.) Broth.
Syn.: *Leskea denticulata* Sull.
Dist.: NA4b, WIa1, Asia, Japan, Korea.
Ref.: Crum & Anderson 1981, Buck 1990c.

Sciaromium crassinervatum Mitt.
Dist.: southern SA, SA8.
Ref.: Hermann 1976.

Sciuroleskea mittenii (Spruce ex Mitt.) Fleisch. ex Broth.
Syn.: *Sciuroleskea roseorum* (Williams) Buck
Dist.: SA6, SA7.
Alt.: 1300–2134 m.
Ref.: Buck & Ireland 1985, Steere 1948.

Sciuroleskea xanthophylla (Hampe & Lor.) Broth.
Syn.: *Leskea xanthophylla* (Hampe & Lor.) Hampe
Dist.: SA6.
Alt.: 3048 m.
Ref.: Buck & Ireland 1985, Steere 1948.

Sclerodontium clavinerve (C. Müll. ex Broth.) Crum
Syn.: *Dicnemoloma kunertii* (C. Müll.) Ren.
Dist.: SA8, SA9.
Alt.: 100–450 m.
Ref.: Yano 1989, Crum 1986a.

Scleropodium californicum (Lesq.) Ren. & Card.
Dist.: NA4a, NA5.
Ref.: Lawton 1967.

Scleropodium touretii (Brid.) L. F. Koch var. *colpophyllum* (Sull.) Lawt.
Dist.: NA3, NA4a, NA5.
Ref.: Lawton 1967.

Scleropodium touretii (Brid.) L. F. Koch var. *touretii*
Dist.: NA3, NA4a, NA5.
Ref.: Lawton 1967.

Scopelophila cataractae (Mitt.) Broth.
Syn.: *Merceyopsis mexicana* Bartr.
Dist.: NA4a, NA4b, NA5, CA1, SA6, SA8, Asia, India.
Alt.: 900–1500 m.
Ref.: Zander 1967, Reese 1989.

Scopelophila ligulata (Spruce) Spruce
Dist.: NA4, NA5, CA1, CA6, SA6, SA7, Is G, Asia, Caucasus, Europe, Middle East.
Alt.: 1900–2400 m.
Ref.: Zander 1967, Gradstein & Weber 1982.

Scopelophila norrisii Zand.
Dist.: NA5.
Ref.: Zander 1985a.

Scorpidium scorpioides (Hedw.) Limpr. var. *scorpioides*
Dist.: NA, SA0, SA2, SA7, SA8, Asia, Europe.
Alt.: 4420 m.
Ref.: Tuomikoski & Koponen 1979.

Scorpidium scorpioides (Hedw.) Limpr. var. *venezuelense* Bartr.
Dist.: SA2.
Ref.: Pursell 1973.

Scorpidium turfaceum (Herz.) Herz.
Dist.: SA7, SA8.
Alt.: 4400–4417 m.
Ref.: Hegewald & Hegewald 1985.

Scorpidium turgescens (T. Jens.) Loeske
Dist.: NA, SA7, Asia, Europe.
Alt.: 4100 m.
Ref.: Tuomikoski & Koponen 1979.

Sebillea brasiliensis Biz.
Dist.: SA9.
Ref.: Yano 1981.

Sematophyllum adnatum (Michx.) Britt.
Dist.: NA4b, NA5, CA, SA0, SA9, WIa5, Is G.
Alt.: 250 m.
Ref.: Gradstein & Weber 1982.

Sematophyllum affine (Hornsch.) Mitt.
Dist.: SA9.
Ref.: Yano 1981.

Sematophyllum amnigenum (Broth.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Sematophyllum aptychoides (C. Müll.) Buck
Syn.: *Meiothecium aptychoides* (C. Müll.) Mitt.
Dist.: SA9.
Ref.: Yano 1981.

Sematophyllum auratum Ren. & Card.
Dist.: CA6.
Ref.: Bowers 1974.

Sematophyllum aureosulphureum (C. Müll.) Broth.
Dist.: SA0.
Ref.: Churchill 1989.

Sematophyllum aureoviride (C. Müll.) Broth.
Dist.: southern SA, SA8.
Ref.: Hermann 1976.

Sematophyllum brachyacrum (C. Müll.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Sematophyllum campicola (Broth.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Sematophyllum cataractae Buck
Dist.: SA9.
Ref.: Buck 1983d, Yano 1989.

Sematophyllum chlorocorum (C. Müll.) Buck, Churchill & Sastre
Dist.: SA0.
Ref.: Churchill 1989.

Sematophyllum chlorothecium (Besch.) Broth.
Dist.: SA11.
Ref.: Buck 1985a.

Sematophyllum chrysostegum (C. Müll.) Mitt.
Dist.: SA0, SA2, SA8.
Ref.: Hermann 1976, Pursell 1973.

Sematophyllum circinicaule (C. Müll.) Broth.
Dist.: SA11.
Ref.: Buck 1985a.

Sematophyllum cochleatum (Broth.) Broth.
Dist.: CA6, SA0, SA4, SA5, SA7, SA9.
Alt.: 400 m.
Ref.: Florschütz-de Waard 1990, Menzel 1992.

Sematophyllum constrictum Mitt.
Dist.: SA0, SA2, WI.
Ref.: Pursell 1973, Churchill 1989.

Sematophyllum crassiusculum (Brid.) Broth.
Dist.: SA0, SA9.
Ref.: Yano 1981, Churchill 1989.

Sematophyllum cubense Buck
Dist.: Wla1.
Ref.: Buck 1983d.

Sematophyllum cuspidiferum Mitt.
Dist.: NA5, CA1, CA3, CA6, SA0, SA2, SA6, SA7, SA8, SA9, Wla1.
Alt.: 780–2800 m.
Ref.: Griffin 1977a, Duarte n.d.

Sematophyllum cylindrothecium (Broth.) Buck & Schäfer-Verwimp
Syn.: *Rhaphidostegium cylindrothecium* Broth.
Dist.: SA9.
Ref.: Schäfer-Verwimp 1991.

Sematophyllum dimorphum (Ren. & Card.) Bowers
Dist.: CA6.
Ref.: Bowers 1974.

Sematophyllum esmeraldicum (C. Müll.) Broth.
Dist.: SA6, WI.
Ref.: Steere 1948.

Sematophyllum fabronia (Besch.) Buck
Syn.: *Meiothecium fabronia* Besch.
Dist.: SA11.
Ref.: Buck 1982b, 1985a.

Sematophyllum flaccidifolium (C. Müll.) Mitt.
Dist.: SA2, SA9.
Ref.: Pursell 1973.

Sematophyllum flavidum Mitt.
Dist.: CA6, SA0, SA8, SA9.
Ref.: Bowers 1974, Hermann 1976.

Sematophyllum fragilirostrum (Hampe) Mitt.
Dist.: SA0.
Ref.: Churchill 1989.

Sematophyllum galipense (C. Müll.) Mitt.
Syn.: *Rhaphidostegium lozanoi* Card.
Dist.: NA5, CA2, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA7, SA8, SA9, Wla1, Wla3, Wla4, Wla5.
Alt.: 450–1900 m.
Ref.: Buck 1989d, Florschütz-de Waard 1990.

Sematophyllum harpidioides (Ren. & Card.) Bowers
Syn.: *Rhaphidostegium harpidioides* Ren. & Card.
Dist.: CA6.
Ref.: Bowers 1974.

Sematophyllum implanum Mitt.
Dist.: SA9.
Ref.: Yano 1981.

Sematophyllum longirameum (Broth.) Sehnem
Syn.: *Rhaphidostegium longirameum* Broth.
Dist.: SA9.
Ref.: Yano 1981.

Sematophyllum longisetum (Williams) Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Sematophyllum maguireorum Buck
Dist.: SA3, SA9.
Alt.: 125–150 m.
Ref.: Buck 1990a.

Sematophyllum marylandicum (C. Müll.) Britt.
Dist.: NA, NA5.
Ref.: Crum & Anderson 1981.

Sematophyllum mittenianum Buck
Syn.: *Meiothecium andinum* Mitt.
Dist.: SA6.
Ref.: Buck 1982b, Steere 1948.

Sematophyllum napoanum (De Not.) Steere
Syn.: *Hypnum napoanum* De Not.
Dist.: SA0, SA6, SA7.
Alt.: 4150 m.
Ref.: Steere 1988, Menzel 1992.

Sematophyllum negrense (Mitt.) Buck
Syn.: *Meiothecium negrense* Spruce ex Mitt.
Dist.: SA2, SA6, SA7, SA9.
Ref.: Buck 1982b, Steere 1948, Menzel 1992.

Sematophyllum octodiceroides (C. Müll.) Broth.
Dist.: SA3.
Ref.: Florschütz-de Waard 1990.

Sematophyllum oedophysidium Buck
Dist.: SA0, SA9.
Ref.: Buck 1983d, Yano 1989.

Sematophyllum orthocarpum (Broth. in Herz.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Sematophyllum pacimoniense (Mitt.) Buck
Syn.: *Potamium pacimoniense* Spruce ex Mitt.
Dist.: SA2, SA3, SA4, SA9.
Ref.: Florschütz-de Waard 1990, Buck 1990a.

Sematophyllum panduraefolium (Broth.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Sematophyllum paraguariense (C. Müll. ex Broth.) Buck
Dist.: SA11.
Ref.: Buck 1985a.

Sematophyllum pennellii Williams
Dist.: SA0.
Ref.: Churchill 1989.

Sematophyllum reitzii Bartr.
Dist.: SA9.
Ref.: Yano 1981.

Sematophyllum riparioides Bartr.
Dist.: SA9.
Ref.: Yano 1981.

Sematophyllum robusticaule (Broth.) Schnem
Dist.: SA9.
Ref.: Yano 1981.

Sematophyllum roridum Mitt.
Dist.: SA0.
Ref.: Churchill 1989.

Sematophyllum simulans (Ren. & Card.) Bowers
Dist.: CA6.
Ref.: Bowers 1974.

Sematophyllum sticticola (C. Müll.) Churchill
Dist.: SA0.
Ref.: Churchill 1989.

Sematophyllum subbrachycarpum (Hampe) Mitt.
Dist.: SA0.
Ref.: Churchill 1989, 1991a.

Sematophyllum subcespitosum (Ren. & Card.) Bowers
Dist.: CA6.
Ref.: Bowers 1974.

Sematophyllum subdepressum (Hampe) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Sematophyllum subfulvum (Broth.) Broth.
Dist.: SA9.
Ref.: Schäfer-Verwimp 1991.

Sematophyllum subpiliferum (Broth.) Broth.
Dist.: SA7, SA9.
Alt.: 1100 m.
Ref.: Menzel 1992.

Sematophyllum subpinnatum (Brid.) Britt.
Dist.: NA4b, NA5, CA1, CA2, CA3, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, SA11, Bahamas, WIa1, WIa3, WIa4, WIa5, WIb, J Fdez, Africa, Asia, Australia, Oceania.
Alt.: 100–2100 m.
Ref.: Gradstein & Florschütz-de Waard 1989.

Sematophyllum subscabrum Jaeg.
Dist.: CA6, SA0, SA7.
Alt.: 2600–3000 m.
Ref.: Bowers 1974, Menzel 1992.

Sematophyllum subsecundum (Jaeg.) Broth.
Dist.: SA0, SA9.
Ref.: Yano 1989.

Sematophyllum subsimplex (Hedw.) Mitt.
Dist.: NA5, CA1, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIa1, WIa4, WIa5, WIb.
Alt.: 100–2800 m.
Ref.: Gradstein & Florschütz-de Waard 1989.

Sematophyllum substenocarpum Broth.
Dist.: SA9.
Ref.: Yano 1981.

Sematophyllum succedaneum (Hook. f. & Wils.) Mitt.
Dist.: SA9.
Ref.: Yano 1981.

Sematophyllum swartzii (Schwaegr.) Welch & Crum
Syn.: *Sematophyllum insularum* (Sull.) Bartr.
Dist.: NA5, CA1, CA3, CA6, SA0, SA7, SA8, SA9, WIa3, WIa4, WIa5.
Alt.: 1430–2680 m.
Ref.: Buck & Steere 1983, Winkler 1965.

Sematophyllum tenerifolium (C. Müll.) Broth.
Dist.: southern SA, SA8.
Ref.: Hermann 1976.

Sematophyllum tenuicarpum Williams
Dist.: SA8.
Ref.: Hermann 1976.

Sematophyllum tequendamense (Hampe) Mitt.
Dist.: NA5, SA0, SA2, WIa5.
Ref.: Pursell 1973, Churchill 1989.

Sematophyllum tonduzii (Ren. & Card.) Bowers
Dist.: CA6.
Ref.: Bowers 1974.

Simplicidens andicola Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Simplicidens plumula Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Sorapilla sprucei Mitt.
Dist.: SA6.
Ref.: Steere 1948.

Sphaerotheciella pachycarpa (Schimp. ex Besch.) Manuel
Syn.: *Cryphaea pachycarpa* Schimp. ex Besch.
Dist.: NA5, CA1, SA0.
Alt.: 1219–2100 m.
Ref.: Manuel 1981a.

Sphaerotheciella pinnata (B.S.G.) Manuel
Syn.: *Cryphaea pinnata* B.S.G.
Dist.: NA5, CA1, CA3, CA6, SA2.
Alt.: 700–3100 m.
Ref.: Manuel 1977a, 1981a, Winkler 1965.

Sphaerothecium phascoideum (Hampe) Hampe
Syn.: *Campylopus bogotensis* Thér.
Dist.: SA0.
Alt.: 2500–3400 m.
Ref.: Frahm 1986a, 1991, Churchill 1989.

Sphaerothecium reconditum Thwait. & Mitt.
Dist.: SA9, Sri Lanka.
Ref.: Vital & Pursell 1992.

Sphagnum acutirameum Crum
Dist.: SA9.
Alt.: 2120 m.
Ref.: Crum 1992.

Sphagnum alegrense Warnst.
Dist.: CA6, SA2, SA9, WIb, Is G.
Ref.: Crum 1990a, Gradstein & Weber 1982.

Sphagnum amazonicum Crum & Buck
Dist.: SA9.
Alt.: 450 m.
Ref.: Crum & Buck 1992.

Sphagnum aureum McQueen
Dist.: CA6.
Alt.: 3250 m.
Ref.: McQueen 1989, Karlin 1991.

Sphagnum azuayense Crum
Dist.: SA6.
Alt.: 3350 m.
Ref.: Crum 1987c.

Sphagnum balticum (Russ.) Jens.
Dist.: NA, SA8, Asia, Europe
Ref.: Crum 1984a, Hermann 1976

Sphagnum barclayae Crum
Dist.: SA6.
Alt.: 3750 m.
Ref.: Crum 1989b.

Sphagnum boliviae Warnst.
Dist.: SA8.
Alt.: 1600–3000 m.
Ref.: Crum 1990c, Hermann 1976.

Sphagnum boomii Crum
Dist.: SA3.
Alt.: 1530 m.
Ref.: Buck 1990a.

Sphagnum brachycaulon C. Müll. ex Warnst.
Dist.: SA9.
Ref.: Yano 1981.

Sphagnum brasiliense Warnst.
Syn.: *Sphagnum papillosum* Lindb. var. *plumosum* Russ. ex Warnst.
Dist.: SA9.
Ref.: Crum 1993a.

Sphagnum brevirameum Hampe
Syn.: *Sphagnum itacolumitis* C. Müll. & Warnst.
Dist.: SA9.
Ref.: Crum 1989b, 1990a.

Sphagnum buckianum Crum
Dist.: SA9.
Alt.: 1000–1100 m.
Ref.: Crum 1992.

Sphagnum caldense C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Sphagnum capillifolium (Ehrh.) Hedw.
Syn.: *Sphagnum rubellum* Wils.
Dist.: NA, SA0, SA2, SA7, SA8, SA9, Africa, Asia, Europe.
Ref.: Crum 1984a, Menzel 1992.

Sphagnum carneum C. Müll. & Warnst. var. *fuscescens* Warnst.
Dist.: SA9.
Ref.: Crum 1993a, Yano 1981.

Sphagnum cleefii Crum
Dist.: SA0.
Alt.: 3390 m.
Ref.: Crum 1989a, Churchill 1989.

Sphagnum compactum DC. in Lam. & DC.
Dist.: SA0, SA7.
Alt.: 2650 m.
Ref.: Menzel 1992, Churchill 1989.

Sphagnum conflatum C. Müll. ex Warnst.
Dist.: SA9.
Ref.: Yano 1981.

Sphagnum contortulum Crum
Dist.: SA9.
Ref.: Crum 1991.

Sphagnum cribriforme Crum
Syn.: *Sphagnum perforatum* Warnst. var. *rotundifolium* Warnst. in Broth.
Dist.: SA9.
Ref.: Crum 1993a.

Sphagnum cucullatum Warnst.
Dist.: SA9.
Ref.: Yano 1981, 1989.

Sphagnum cuculliforme Crum
Dist.: SA6.
Alt.: 2200–2250 m.
Ref.: Crum 1987b.

Sphagnum curvatulum Crum
Dist.: SA6.
Alt.: 3050–3700 m.
Ref.: Crum 1993b.

Sphagnum curicuriarense Crum & Buck
Dist.: SA9.
Alt.: 450–1200 m.
Ref.: Crum & Buck 1992.

Sphagnum cuspidatum Ehrh. ex Hoffm.
Dist.: NA, CA4, CA6, SA0, SA2, SA3, SA4, SA7, SA9, SA12, WIa5, Is G, Africa, Asia, Europe.
Alt.: 2600–4400 m.
Ref.: Gradstein & Weber 1982, Menzel 1992.

Sphagnum cyclocladum Warnst.
Dist.: SA9.
Ref.: Yano 1981.

Sphagnum cyclophyllum Sull. & Lesq.
Dist.: SA0, SA9.
Ref.: Yano 1989, Churchill 1989.

Sphagnum denticulatum Brid.
Dist.: SA3.
Ref.: Florschütz-de Waard 1990.

Sphagnum dimorphophyllum Crum & Buck
Dist.: SA9.
Ref.: Crum & Buck 1992.

Sphagnum divisum Crum
Dist.: SA9.
Alt.: 850 m.
Ref.: Crum 1992.

Sphagnum exquisitum Crum
Dist.: SA9.
Alt.: 2300 m.
Ref.: Crum 1992.

Sphagnum flaccidum Besch. var. *flaccidum*
Dist.: SA11.
Ref.: Crum & Buck 1988.

Sphagnum flaccidum Besch. var. *lindmanii* (Warnst.) Warnst.
Syn.: *Sphagnum lindmanii* Warnst.
Dist.: SA11.
Alt.: 200–250 m.
Ref.: Crum & Buck 1988.

Sphagnum fontanum C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Sphagnum garysmithii Crum
Dist.: SA9.
Alt.: 1100 m.
Ref.: Crum 1987c, Yano 1989.

Sphagnum geraisense Crum
Dist.: SA9.
Alt.: 1200 m.
Ref.: Crum 1992.

Sphagnum glaucovirens Warnst. var. *densum* Warnst.
Dist.: SA9.
Ref.: Yano 1981.

Sphagnum globicepharum C. Müll. ex Warnst.
Dist.: SA9.
Ref.: Yano 1981.

Sphagnum gomezii Crum
Dist.: CA6.
Ref.: Crum 1984b, Karlin 1991.

Sphagnum gracilescens C. Müll.
Dist.: SA9.
Ref.: Crum 1990c.

Sphagnum griseum Warnst.
Dist.: SA9.
Ref.: Yano 1981.

Sphagnum guanabarae Crum
Dist.: SA9.
Ref.: Crum 1987c, Yano 1989.

Sphagnum harleyi Crum
Dist.: SA9.
Alt.: 1100 m.
Ref.: Crum 1987c, Yano 1989.

Sphagnum homophyllum Crum
Dist.: SA9.
Alt.: 1010 m.
Ref.: Crum 1992.

Sphagnum imbricatum Hornsch. ex Russ.
Dist.: CA2, SA9, WIa1.
Ref.: Crum 1990a, Yano 1989, Duarte n.d.

Sphagnum imperforatum Crum
Dist.: SA0.
Alt.: 2400–2600 m.
Ref.: Crum 1989a, Churchill 1989.

Sphagnum inretortum Crum
Dist.: SA8.
Alt.: 3100 m.
Ref.: Crum 1990d.

Sphagnum irwinii Crum
Dist.: SA9.
Alt.: 1250 m.
Ref.: Crum 1987c, Yano 1989.

Sphagnum itabense Crum & Buck
Dist.: SA11.
Alt.: 250 m.
Ref.: Crum & Buck 1988.

Sphagnum laceratum C. Müll. & Warnst.
Dist.: SA9.
Ref.: Crum 1990b.

Sphagnum laegaardii Crum
Dist.: SA6.
Alt.: 3900 m.
Ref.: Crum 1987c.

Sphagnum lankesteri Crum
Dist.: CA6.
Ref.: Crum 1984b.

Sphagnum lewisii Crum
Dist.: SA0.
Alt.: 3100 m.
Ref.: Crum 1993b.

Sphagnum limbatum Mitt.
Syn.: *Sphagnum antillarum* Besch.
Dist.: NA5, CA1, CA6, SA0, WIa4.
Alt.: 1700 m.
Ref.: Crum 1990b, Buck & Steere 1983.

Sphagnum lindbergii Schimp. ex Lindb.
Dist.: NA, SA9, Europe, Japan.
Ref.: Crum 1984a, Yano 1989.

Sphagnum longicomosum C. Müll. ex Warnst.
Dist.: SA9.
Ref.: Yano 1981.

Sphagnum longistolo C. Müll.
Dist.: SA7, SA9.
Alt.: 3000 m.
Ref.: Crum 1990a, 1993a, Yano 1989, Menzel 1992.

Sphagnum magellanicum Brid.
Dist.: NA, NA5, CA1, CA6, SA0, SA2, SA3, SA7, SA8, SA9, SA11, SA14, WIa1, WIa2, WIa4, Asia, Europe, New Zealand.
Alt.: 1000–3400 m.
Ref.: Crum 1990a, 1993a, Crum & Buck 1988.

Sphagnum meridense (Hampe) C. Müll.
Syn.: *Sphagnum acutifolium* var. *meridense* Hampe
Dist.: NA5, CA1, CA3, CA6, SA0, SA2, SA7, SA8, SA9, WIa1, WIa4.
Alt.: 1000–3048 m.
Ref.: Crum 1990b, 1993a, Buck & Steere 1983.

Sphagnum microcuspidatum Crum
Dist.: SA9.
Alt.: 900 m.
Ref.: Crum 1987c, Yano 1989.

Sphagnum minutulum C. Müll. & Warnst.
Dist.: SA9.
Ref.: Yano 1981.

Sphagnum mirabile C. Müll. & Warnst.
Dist.: SA9.
Ref.: Crum 1993a, Yano 1981.

Sphagnum molle Sull.
Dist.: NA, SA8, Asia, Europe.
Ref.: Crum 1990b, Hermann 1976.

Sphagnum multiporosum Crum
Dist.: SA9.
Alt.: 900 m.
Ref.: Crum 1987c, 1990a.

Sphagnum negrense Mitt.
Dist.: SA2, SA3, SA9.
Alt.: 2000–2300 m.
Ref.: Crum 1990a.

Sphagnum obliquefibrosum Crum
Dist.: SA9.
Alt.: 1110 m.
Ref.: Crum 1992.

Sphagnum ornatum Crum
Dist.: SA2, SA3, SA9.
Alt.: 2300 m.
Ref.: Crum 1985d, 1990a, Buck & Crum 1993.

Sphagnum ovalifolium Warnst.
Dist.: SA9.
Ref.: Yano 1981.

Sphagnum oxyphyllum Warnst.
Dist.: SA0, SA2, SA3, SA7, SA9.
Alt.: 430–2700 m.
Ref.: Crum 1990b, Griffin 1981b.

Sphagnum palustre L.
Dist.: NA, NA5, SA0, SA2, SA3, SA9, WIa1, WIa2, Asia, Australia, Europe, Hawaii, New Zealand.
Alt.: 1889–2072 m.
Ref.: Crum 1984a, Buck 1990a, Duarte n.d.

Sphagnum parcoramosum Crum
Dist.: SA9.
Alt.: 1200 m.
Ref.: Crum 1987c, Yano 1989.

Sphagnum pendulirameum Crum
Dist.: SA9.
Ref.: Crum 1987c, Yano 1989.

Sphagnum perforatum Warnst.
Dist.: SA9.
Ref.: Crum 1993a, Yano 1981.

Sphagnum perichaetiale Hampe
Syn.: *Sphagnum erythrocalyx* Hampe
Dist.: NA4b, NA5, CA2, CA6, CA7, SA0, SA2, SA3, SA4, SA7, SA8, SA9, SA11, WIa1, WIa3, WIa5, Is G, Africa; Old World.
Alt.: 200–2712 m.
Ref.: Crum 1990a, Crum & Buck 1988.

Sphagnum platyphylloides Warnst.
Dist.: SA8, SA9.
Ref.: Yano 1981, Hermann 1976.

Sphagnum platyphylloideum Warnst.
Dist.: western SA, SA9.
Ref.: Yano 1981.

Sphagnum poasense Crum
Dist.: CA6.
Alt.: 2600 m.
Ref.: Crum 1989a.

Sphagnum portoricense Hampe
Dist.: NA4b, NA5, CA5, SA2, SA3, WIa5, WIb.
Alt.: 1158 m.
Ref.: Crum 1990a, Florschütz-de Waard 1990.

Sphagnum pseudoramulinum Crum
Dist.: SA9.
Alt.: 2400–2500 m.
Ref.: Crum 1987c, Yano 1989.

Sphagnum pulchricoma C. Müll.
Dist.: NA4b, SA11.
Alt.: 250 m.
Ref.: Crum & Buck 1988.

Sphagnum pulvinatum Crum
Dist.: SA9.
Alt.: 2300 m.
Ref.: Crum 1985d, Yano 1989.

Sphagnum pylaesii Brid.
Dist.: SA0, SA7.
Alt.: 3900–4400 m.
Ref.: Crum 1984a, Menzel 1992.

Sphagnum ramulinum Warnst.
Dist.: SA9.
Ref.: Yano 1981.

Sphagnum recurvum P. Beauv.
Dist.: NA, NA5, CA6, CA7, SA0, SA2, SA7, SA8, SA9, WIa1, Asia, Europe.
Alt.: 4200 m.
Ref.: Crum 1984a, Crosby 1969b, Menzel 1992.

Sphagnum richardsianum Crum
Dist.: NA5, CA1.
Ref.: Crum 1980.
Sphagnum ripense Crum & Buck
Dist.: SA9.
Ref.: Crum & Buck 1992.
Sphagnum roraimense Warnst.
Dist.: SA9.
Ref.: Yano 1981.
Sphagnum rotundatum C. Müll. & Warnst.
Dist.: SA9.
Ref.: Crum 1993a, Yano 1989.
Sphagnum rotundifolium C. Müll. & Warnst.
Dist.: SA9.
Ref.: Yano 1981.
Sphagnum sancto-josephense Crum & Crosby
Dist.: CA6, SA0, SA8.
Alt.: 2600 m.
Ref.: Crum & Crosby 1974, Karlin 1991.
Sphagnum sanguinale Warnst.
Dist.: SA2, SA3.
Alt.: 1920 m.
Ref.: Crum 1990a.
Sphagnum santanderense Crum
Dist.: SA0.
Alt.: 2100 m.
Ref.: Crum 1993b.
Sphagnum sehnemii Crum
Dist.: SA9.
Alt.: 850 m.
Ref.: Crum 1987c, Yano 1989.
Sphagnum simplicicaulis Crum
Dist.: SA2.
Ref.: Crum 1990a.
Sphagnum sipmanii Crum
Dist.: SA2.
Alt.: 950 m.
Ref.: Sipman 1992.
Sphagnum sparsum Hampe
Syn.: *Sphagnum apollinairei* Par. & Warnst.
Dist.: NA5, CA1, CA6, SA0, SA2, SA6, SA7, SA8, SA9.
Alt.: 1828–3900 m.
Ref.: Griffin 1981b, Crum 1990b.
Sphagnum squarrosum Crome
Dist.: NA, NA5, Asia, China, Europe, India, Japan, Korea, New Zealand.
Alt.: 2286 m.
Ref.: Crum 1984a.
Sphagnum steerei Crum
Dist.: SA6.
Alt.: 2630 m.
Ref.: Crum 1993b.
Sphagnum strictum Sull. subsp. *pappeanum* (C. Müll.) Eddy
Syn.: *Sphagnum mexicanum* Mitt.
Dist.: NA4b, NA5, SA2, SA6, SA9, WIa4, WIb, Africa, Europe.
Alt.: 914–1615 m.
Ref.: Crum 1984a, Buck & Steere 1983, Eddy 1985.
Sphagnum subaequifolium Hampe
Dist.: SA9.
Ref.: Yano 1981.
Sphagnum subdivisum Crum
Dist.: CA6.
Alt.: 2100 m.
Ref.: Crum 1989a.
Sphagnum submedium Warnst.
Dist.: SA9.
Ref.: Crum 1990a.
Sphagnum subnitens Russ. & Warnst.
Syn.: *Sphagnum plumulosum* Röll.
Dist.: CA6.
Ref.: Crum 1984a.
Sphagnum subovalifolium C. Müll. & Warnst.
Dist.: SA9.
Ref.: Yano 1981.
Sphagnum subrufescens Warnst.
Dist.: SA9.
Ref.: Yano 1981.
Sphagnum subsecundoides Crum & Buck
Dist.: SA9.
Ref.: Crum & Buck 1992.
Sphagnum subsecundum Nees ex Sturm var. *platyphyllum* (Lindb. ex Braithw.) Card.
Syn.: *Sphagnum platyphyllum* (Lindb. ex Braithw.) Sull. ex Warnst.
Dist.: NA1, NA2, NA3, NA4a, NA4b, CA6, WIa3, Asia, Europe, Japan.
Alt.: 2600 m.
Ref.: Karlin 1991, Crum 1984a.
Sphagnum subsecundum Nees ex Sturm var. *rufescens* (Nees & Hornsch.) Hüb.
Syn.: *Sphagnum contortum* var. *rufescens* Nees & Hornsch.
Dist.: NA, NA5, CA1, CA2, CA6, SA0, SA6, SA9, Europe.
Alt.: 2438–2743 m.
Ref.: Crum 1984a, Karlin 1991.

Sphagnum sucrei Crum
Dist.: SA9.
Alt.: 800 m.
Ref.: Crum 1987c, Yano 1989.
Sphagnum tabuleirense Yano & Crum
Dist.: SA9.
Ref.: Yano & Crum 1992.
Sphagnum tenellum Ehrh.
Dist.: NA, NA5, SA6, SA9, Europe, Japan.
Alt.: 1889–2987 m.
Ref.: Crum 1984a, Yano 1989.
Sphagnum tenerum Sull. & Lesq.
Dist.: SA0, SA2, SA3, SA6, SA9.
Alt.: 500–2460 m.
Ref.: Crum 1990b.
Sphagnum trirameum Crum
Dist.: CA1.
Alt.: 2700 m.
Ref.: Crum 1989a.
Sphagnum turgens Warnst.
Dist.: SA9.
Ref.: Yano 1981.
Sphagnum turgescens Warnst.
Dist.: SA9.
Ref.: Yano 1981.
Sphagnum uleanum C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Sphagnum umbrosum Warnst.
Dist.: SA9.
Ref.: Yano 1981.
Sphagnum versiporum Warnst.
Dist.: SA9.
Ref.: Yano 1981.
Sphagnum vitalii Crum
Dist.: SA9.
Ref.: Crum 1991.
Sphagnum weddelianum Besch. ex Warnst.
Dist.: SA7, SA9.
Ref.: Crum 1990a, Yano 1989.
Spiridentopsis longissima (Raddi) Broth.
Dist.: CA7, SA3, SA9.
Ref.: Crum 1987a, Florschütz-de Waard 1990.
Splachnobryum obtusum (Brid.) C. Müll.
Dist.: NA4b, NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA4, SA7, SA9, Bahamas, WIa1, WIa3, WIa4, WIa5, Hawaii.
Alt.: 180–700 m.
Ref.: A. Koponen 1981, Buck & Steere 1983.
Splachnobryum spruceanum C. Müll.
Dist.: SA7.
Ref.: Menzel 1992.
Splachnum turbinatum Brid.
Dist.: SA2.
Alt.: 3000–3200 m.
Ref.: Griffin 1975a.
Splachnum weberbaueri Reim.
Dist.: SA0, SA7.
Alt.: 3100–3500 m.
Ref.: Churchill 1991a, Menzel 1992.
Squamidium angustifolium Sehnem
Dist.: SA9.
Ref.: Yano 1989.
Squamidium brasiliense (Hornsch.) Broth.
Syn.: *Meteorium serricola* C. Müll.
Dist.: SA2, SA6, SA7, SA8, SA9, SA11, SA12, SA13, Africa, Madagascar, Réunion.
Alt.: 600–1585 m.
Ref.: Allen & Crosby 1986b, Steere 1948.
Squamidium cuspidatum Sehnem
Dist.: SA9.
Ref.: Yano 1989.
Squamidium diversicoma (Hampe) Broth.
Syn.: *Squamidium chiriquense* Crosby
Dist.: NA5, CA4, CA5, CA6, CA7, SA0, SA2, SA7, SA8, SA9.
Alt.: 1500–2400 m.
Ref.: Allen & Crosby 1986b, Menzel 1992.
Squamidium isocladum (Ren. & Card.) Broth.
Dist.: CA1, CA4, CA5, CA6, CA7, SA2, SA6, SA7, SA9, WIa1, WIa2, WIa4, WIa5, Cocos Island.
Alt.: 1700 m.
Ref.: Allen & Crosby 1986b, Yano 1989.
Squamidium leucotrichum (Tayl.) Broth.
Dist.: NA5, CA1, CA3, CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb, Is G.
Alt.: 600–3048 m.
Ref.: Allen & Crosby 1986b, Bizot 1973.
Squamidium livens (Schwaegr.) Broth.
Dist.: CA1, CA6, SA0, SA2, SA6, SA7, SA8, SA9, WIa4.
Alt.: 2650 m.
Ref.: Allen & Crosby 1986b, Steere 1948.

Squamidium macrocarpum (Spruce ex Mitt.) Broth.
Syn.: *Meteorium heterophyllum* Ångstr.
Dist.: CA4, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, SA12, WI.
Alt.: 700–2200 m.
Ref.: Allen & Crosby 1986b, Yano 1989.

Squamidium nigricans (Hook.) Broth.
Syn.: *Meteoriopsis reflectomucronata* (Britt.) Broth. ex Par.
Dist.: NA5, CA1, CA3, CA4, CA5, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb.
Alt.: 324–3500 m.
Ref.: Allen & Crosby 1986b, Bizot 1973.

Steereobryon subulirostrum (Schimp. ex Besch.) G. L. Sm.
Syn.: *Atrichum portoricense* Crum & Steere
Dist.: NA5, CA, SA0, SA7, WIa4, WIa5.
Alt.: 2100 m.
Ref.: Smith 1971, Buck & Steere 1983.

Stenocarpidiopsis salicicola (Mitt.) Fleisch.
Dist.: SA6, SA7.
Alt.: 2000–2134 m.
Ref.: Hegewald & Hegewald 1985.

Stenodesmus latifolius Bartr. & Herz.
Dist.: SA0.
Ref.: Churchill 1989.

Stenodesmus tenuicuspis (Mitt.) Jaeg.
Dist.: SA6.
Alt.: 914 m.
Ref.: Steere 1948.

Stenodictyon bisodalense Allen, Crosby & Magill
Dist.: CA6, SA0.
Alt.: 2680 m.
Ref.: Allen, Crosby & Magill 1985.

Stenodictyon pallidum Britt. ex Crum & Steere
Dist.: WIa1, WIa3, WIa4, WIa5.
Alt.: 790–1650 m.
Ref.: Allen, Crosby & Magill 1985.

Stenodictyon wrightii (Sull. & Lesq.) Crosby
Syn.: *Hookeria wrightii* Sull. & Lesq.
Dist.: CA5, CA6, CA7, SA0, SA6, SA8, WI.
Alt.: 1000–3048 m.
Ref.: Allen, Crosby & Magill 1985.

Stereophyllum bandeirae Broth.
Dist.: SA9.
Ref.: Yano 1989.

Stereophyllum cataractarum Herz.
Dist.: SA9.
Ref.: Buck & Ireland 1985.

Stereophyllum leptostegium (Hampe) Jaeg.
Dist.: SA8, SA9.
Ref.: Yano 1981, Hermann 1976.

Stereophyllum radiculosum (Hook.) Mitt.
Syn.: *Stereophyllum indicum* (Bel.) Mitt.
Dist.: NA4b, NA5, CA1, CA2, CA3, CA6, SA0, SA2, SA3, SA7, SA8, SA9, SA11, Bahamas, WIa1, WIa3, WIa4, WIa5, Is G, Africa.
Alt.: 0–1520 m.
Ref.: Buck & Ireland 1985, Bizot 1973.

Stereophyllum rhamphostegium (Hampe) Kindb.
Dist.: SA9.
Ref.: Yano 1981.

Steyermarkiella anomalodictya Robins.
Dist.: SA2.
Ref.: Pursell 1973.

Streptocalypta lorentziana C. Müll.
Dist.: SA7, SA8, SA9, SA12.
Alt.: 1950 m.
Ref.: Zander 1982a.

Streptocalypta santosii (Bartr.) Zand.
Syn.: *Tortella santosii* Bartr.
Dist.: NA5.
Ref.: Zander 1982a.

Streptocalypta tortelloides (Card.) Zand.
Syn.: *Barnesia tortelloides* Card.
Dist.: NA5.
Ref.: Zander 1982a.

Streptopogon calymperes C. Müll. ex Geh.
Syn.: *Streptopogon peruvianus* Broth.
Dist.: NA5, CA1, CA3, CA6, SA0, SA2, SA6, SA7, SA8, SA9, WIa4.
Alt.: 1000–3600 m.
Ref.: Sloover 1976, Buck & Steere 1983.

Streptopogon cavifolius Mitt.
Dist.: NA5, CA1, CA3, SA0, SA2, SA6, WIa4.
Alt.: 1000–3048 m.
Ref.: Buck & Steere 1983, Steere 1948.

Streptopogon clavipes (Spruce) Spruce ex Mitt.
Dist.: SA6, SA8.
Ref.: Steere 1948, Hermann 1976.

Streptopogon erythrodontus (Tayl.) Wils.
Dist.: NA5, CA1, CA6, SA0, SA2, SA6, SA7, SA8, Africa, Hawaii, Madagascar.
Alt.: 1829–4050 m.
Ref.: Griffin 1975a, Steere 1948.

Streptopogon heterophyllus Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Streptopogon juarezii Sharp
Dist.: NA5.
Alt.: 1700 m.
Ref.: Sharp 1986.

Streptopogon lindigii Hampe
Dist.: SA0, SA2, SA7, SA8.
Alt.: 2800–4050 m.
Ref.: Hegewald & Hegewald 1985.

Streptopogon matudianus Crum
Dist.: NA5.
Alt.: 2225 m.
Ref.: Crum 1952, Bowers & Sharp 1975.

Streptopogon spathulatus Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Streptotrichum ramicola Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Symblepharis lindigii Hampe
Dist.: SA0, SA6, SA8.
Ref.: Steere 1948, Hermann 1976.

Symblepharis tenuis Williams
Dist.: SA7.
Alt.: 3000–4400 m.
Ref.: Hegewald & Hegewald 1985.

Symblepharis vaginata (Hook.) Wijk & Marg.
Syn.: *Symblepharis helicophylla* Mont.
Dist.: NA4a, NA5, CA1, CA6, CA7, SA6, SA7, China, Himalayas.
Alt.: 1830–3800 m.
Ref.: Hegewald & Hegewald 1985.

Symphyodon machrisianus (Crum) Buck & Ireland
Syn.: *Symphyodon americanus* Steere
Dist.: NA5, CA5, CA6, SA0, SA2, SA6, SA9.
Alt.: 700–2900 m.
Ref.: Churchill 1989, Buck & Ireland 1992, Griffin 1975a, Ireland 1984, 1991.

Synthetodontium pringlei Card.
Dist.: NA5.
Ref.: Crum 1951.

Syrrhopodon annotinus Reese & Griffin
Dist.: SA2, SA9.
Alt.: 50 m.
Ref.: Reese 1984, Reese & Griffin 1976.

Syrrhopodon autotomaius Reese
Dist.: CA4.
Alt.: 1415 m.
Ref.: Reese 1993b.

Syrrhopodon brasiliensis Reese
Dist.: SA9.
Ref.: Reese 1983b, Yano 1989.

Syrrhopodon circinatus (Brid.) Mitt.
Syn.: *Dicranum circinatum* Brid.
Dist.: NA5, CA1, CA2, CA5, CA6, CA7, SA0, SA2, SA5, SA6, SA7, SA8, SA9, WIb.
Alt.: 0–2000 m.
Ref.: Reese & Griffin 1977, Reese 1984, 1993a.

Syrrhopodon cryptocarpos Dozy & Molk.
Syn.: *Syrrhopodon spruceanus* Mitt.
Dist.: CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIb, Africa.
Alt.: 0–800 m.
Ref.: Reese & Griffin 1977, Reese 1984, 1993a.

Syrrhopodon cymbifolius C. Müll.
Syn.: *Syrrhopodon ramicola* Broth.
Dist.: SA0, SA9.
Ref.: Reese 1981, 1984, 1993a, Churchill 1989.

Syrrhopodon elatus Mont.
Syn.: *Syrrhopodon incompletus* Schwaegr. var. *elatus* (Mont.) Florsch.-de Waard
Dist.: SA4, SA5, SA9.
Ref.: Reese 1977, 1984, Yano 1989.

Syrrhopodon elongatus Sull. var. *elongatus*
Syn.: *Syrrhopodon elongatus* var. *anomalus* Thér.
Dist.: WIa1.
Alt.: 400–1400 m.
Ref.: Reese 1978, 1993a.

Syrrhopodon elongatus Sull. var. *glaziovii* (Hampe) Reese
Dist.: NA5, SA2, SA3, SA9.
Alt.: 0–700 m.
Ref.: Reese 1978, 1979c, 1993a.

Syrrhopodon erubescens Bartr.
Syn.: *Syrrhopodon borinquensis* Crum & Steere
Dist.: CA6, CA7, WIa5.
Alt.: 0–700 m.
Ref.: Reese 1978, 1993a, Crum & Steere 1957.

Syrrhopodon fimbriatus Mitt.
Dist.: SA0, SA2, SA7, SA9.
Alt.: 0–1000 m.
Ref.: Reese & Griffin 1977, Reese 1978, 1993a.

Syrrhopodon flexifolius Mitt.
Syn.: *Syrrhopodon parasiticus* var. *flexifolius* (Mitt.) Reese
Dist.: CA6, CA7, SA2, SA3, SA4, SA5, SA9.
Alt.: 579–800 m.
Ref.: Reese 1981, 1993a, Florschütz-de Waard 1990.

Syrrhopodon gardneri (Hook.) Schwaegr.
Syn.: *Syrrhopodon quintasii* Broth.
Dist.: NA5, CA6, SA0, SA8, SA9, WIb, Africa; pantropical.
Alt.: 500–1586 m.
Ref.: Reese 1974, 1993a, Reese & Griffin 1977.

Syrrhopodon gaudichaudii Mont.
Syn.: *Syrrhopodon argentinicus* Lor. ex C. Müll.
Dist.: NA4b, NA5, CA1, CA2, CA6, CA7, SA0, SA2, SA3, SA4, SA6, SA7, SA8, SA9, SA11, SA12, Bahamas, WIa1, WIa2, WIa3, WIa4, WIa5, WIb, Is G, Africa, Tristan da Cunha.
Alt.: 0–2700 m.
Ref.: Reese 1978, 1984, 1993a, Buck & Steere 1983.

Syrrhopodon graminicola Williams
Syn.: *Syrrhopodon parasiticus* var. *disciformis* (C. Müll.) Florsch.
Dist.: CA2, CA7, SA0, SA3, SA4, SA5, SA6, SA9, WIa1, WIa2, WIa3, WIa4.
Alt.: 500 m.
Ref.: Reese & Buck 1991a, Reese 1993a.

Syrrhopodon helicophyllus Mitt.
Dist.: SA0, SA2, SA3, SA9.
Alt.: 0–800 m.
Ref.: Reese & Griffin 1977, Reese 1978, 1993a.

Syrrhopodon hornschuchii Mart.
Syn.: *Syrrhopodon surinamensis* Dozy & Molk.
Dist.: SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIa5.
Alt.: 0–900 m.
Ref.: Reese & Griffin 1977, Reese 1984, 1993a.

Syrrhopodon incompletus Schwaegr. var. *berteroanus* (Brid.) Reese
Syn.: *Syrrhopodon berteroanus* (Brid.) C. Müll.
Dist.: NA5, CA1, CA2, CA5, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb.
Alt.: 0–1700 m.
Ref.: Reese 1977, 1979c, 1993a, Buck & Steere 1983.

Syrrhopodon incompletus Schwaegr. var. *incompletus*
Syn.: *Syrrhopodon bernoullii* C. Müll.
Dist.: NA4b, NA5, CA1, CA2, CA3, CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, SA11, SA12, WIa1, WIa2, WIa3, WIa4, WIa5, WIb, Is G, Africa, Bermuda.
Alt.: 0–1700 m.
Ref.: Reese 1984, 1993a, Florschütz-de Waard 1990.

Syrrhopodon incompletus Schwaegr. var. *lanceolatus* (Hampe) Reese
Syn.: *Syrrhopodon kroneanus* C. Müll.
Dist.: SA0, SA3, SA4, SA5, SA9.
Alt.: 300 m.
Ref.: Reese 1977, 1993a, Florschütz-de Waard 1990.

Syrrhopodon incompletus Schwaegr. var. *luridus* (Par. & Broth.) Florsch.-de Waard
Dist.: SA0, SA3, SA4, SA5, SA8, SA9.
Alt.: 180–500 m.
Ref.: Reese 1977, 1993a, Churchill 1991a.

Syrrhopodon incompletus Schwaegr. var. *perangustifolius* Reese
Dist.: SA6, SA7.
Ref.: Reese 1977.

Syrrhopodon isthmi Reese
Dist.: CA7.
Ref.: Reese 1982.

Syrrhopodon leprieurii Mont.
Syn.: *Syrrhopodon aculeociliatus* Bartr.
Dist.: CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIa1, WIa2, WIb.
Alt.: 0–2400 m.
Ref.: Reese 1978, Steere 1948.

Syrrhopodon ligulatus Mont.
Syn.: *Syrrhopodon paraguensis* Besch.
Dist.: NA4b, NA5, CA1, CA3, CA6, CA7, SA2, SA3, SA4, SA5, SA7, SA8, SA9, SA11, WIa1, WIa2, WIa4, WIa5, WIb.
Alt.: 0–1250 m.
Ref.: Reese 1978, 1984, 1993a, Buck & Steere 1983.

Syrrhopodon lycopodioides (Brid.) C. Müll.
Syn.: *Syrrhopodon rhizogonioides* C. Müll.
Dist.: NA5, CA1, CA3, CA6, CA7, SA0, SA2, SA3, SA6, SA8, SA9, WIa1, WIa2, WIa5, WIb.
Alt.: 150–3000 m.
Ref.: Reese 1978, 1993a, Bizot 1973.

Syrrhopodon parasiticus (Brid.) Besch.
Syn.: *Calymperopsis parasitica* (Brid.) Broth.
Dist.: NA4b, NA5, CA1, CA2, CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, SA11, WIa1, WIa2, WIa4, WIa5, WIb, Is G, Africa; pantropical.
Alt.: 0–1780 m.
Ref.: Reese 1978, 1993a, Florschütz-de Waard 1990.

Syrrhopodon prolifer Schwaegr. var. *acanthoneuros* (C. Müll.) C. Müll.
Syn.: *Syrrhopodon elatior* Hampe
Dist.: CA6, SA0, SA2, SA4, SA6, SA8, SA9, WIa1, WIa2, Is G, Africa, Madagascar.
Alt.: 0–2000 m.
Ref.: Reese 1978, 1993a, Orbán & Reese 1990.

Syrrhopodon prolifer Schwaegr. var. *cincinnatus* (Hampe) Reese
Syn.: *Syrrhopodon cincinnatus* Hampe
Dist.: CA2, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA7, SA9, WIa1, WIa2, WIa4, WIa5, WIb.
Alt.: 700–1840 m.
Ref.: Reese 1978, 1993a, Florschütz-de Waard 1990.

Syrrhopodon prolifer Schwaegr. var. *prolifer*
Syn.: *Syrrhopodon parvulus* C. Müll.
Dist.: NA5, CA1, CA3, CA5, CA6, CA7, SA0, SA2, SA4, SA5, SA6, SA7, SA8, SA9, SA11, WIa1, WIa2, WIa3, WIa4, WIa5, WIb, Is G, Africa, Australia, Hawaii, India, Madagascar.
Alt.: 0–2800 m.
Ref.: Reese 1978, 1993a, Florschütz-de Waard 1990.

Syrrhopodon prolifer Schwaegr. var. *scaber* (Mitt.) Reese
Syn.: *Syrrhopodon flavescens* C. Müll.
Dist.: NA4b, NA5, CA1, CA2, CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, Virgin Islands, WIb, Is G.
Alt.: 0–2000 m.
Ref.: Reese 1978, 1984, 1993a, Buck & Steere 1983.

Syrrhopodon prolifer Schwaegr. var. *tenuifolius* (Sull.) Reese
Syn.: *Calymperes subinteger* Lindb. ex Ångstr.
Dist.: CA2, CA5, CA6, CA7, SA0, SA2, SA6, SA9, WIa1, WIa2, WIa4, WIa5, WIb.
Alt.: 1000–2300 m.
Ref.: Reese 1978, 1979c, 1993a, Buck & Steere 1983.

Syrrhopodon rigidus Hook. & Grev.
Syn.: *Calymperes androgynum* Mont.
Dist.: NA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA9, WIa2, WIa5, WIb.
Alt.: 0–2100 m.
Ref.: Reese 1984, 1993a, Crum & Steere 1957.

Syrrhopodon rupestris Mitt.
Dist.: SA0, SA2, SA9.
Alt.: 0–250 m.
Ref.: Reese 1977, Pursell 1973.

Syrrhopodon simmondsii Steere
Syn.: *Syrrhopodon griffinii* Robins.
Dist.: SA0, SA2, SA3, SA4, SA5, SA7, SA8, SA9, WIb.
Alt.: 0–600 m.
Ref.: Reese 1978, 1984, 1993a, Reese & Buck 1991a.

Syrrhopodon steyermarkii Robins.
Dist.: SA0, SA2.
Alt.: 825 m.
Ref.: Reese 1977, Robinson 1972b.

Syrrhopodon texanus Sull.
Dist.: NA4b, NA5.
Alt.: 0–500 m.
Ref.: Reese 1978.

Syrrhopodon theriotii Bartr.
Dist.: CA6.
Alt.: 1200–2400 m.
Ref.: Reese 1977, 1993a.

Syrrhopodon tortilis Hampe
Syn.: *Syrrhopodon densifolius* Herz.
Dist.: NA5, CA1, CA2, CA6, CA7, SA0, SA2, SA8, SA9, WIa2, Is G.
Alt.: 0–1700 m.
Ref.: Reese 1978, 1979c, 1993a, Churchill 1989.

Syrrhopodon xanthophyllus Mitt.
Dist.: SA0, SA2, SA8, SA9.
Alt.: 300 m.
Ref.: Reese & Griffin 1977, Reese 1984, 1993a.

Taxiphyllum deplanatum (Bruch & Schimp. ex Sull.) Fleisch.
Dist.: NA, NA5.
Alt.: 1000 m.
Ref.: Ireland 1986.

Taxiphyllum gallorum Buck
Dist.: WIa2.
Alt.: 500 m.
Ref.: Buck 1984b.

Taxiphyllum laevifolium (Mitt.) Buck
Syn.: *Ectropothecium laevifolium* Mitt.
Dist.: NA5, CA1, CA6, SA0, WIa2, WIb, Is G, Cocos Island.
Alt.: 700 m.
Ref.: Buck 1987b, Churchill 1989.

Taxiphyllum robusticaule (Bartr.) Irel.
Syn.: *Isopterygium guatemalense* Bartr.
Dist.: NA5, CA1, CA3.
Alt.: 300–1250 m.
Ref.: Ireland 1984, 1986, Winkler 1965.

Taxiphyllum taxirameum (Mitt.) Fleisch.
Syn.: *Plagiothecium planissimum* (Mitt.) Bartr.
Dist.: NA4a, NA4b, NA5, CA1, CA3, CA6, SA0, SA6, SA8, SA9, WIa1, WIa3, WIa4, WIa5, Asia, Australia.
Alt.: 394–1000 m.
Ref.: Steere 1948, Ireland 1969, 1986.

Taxithelium impellucidum (C. Müll.) Par.
Dist.: SA3.
Ref.: Florschütz-de Waard 1990.

Taxithelium juruense (Broth.) Broth.
Dist.: SA9.
Ref.: Buck 1985b.

Taxithelium planum (Brid.) Mitt.
Syn.: *Taxithelium olidum* (C. Müll.) Ren. & Card.
Dist.: NA4b, NA5, CA1, CA2, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIa1, WIa3, WIa4, WIa5, WIb, Africa.
Alt.: 0–1219 m.
Ref.: Buck 1985b, Florschütz-de Waard 1990.

Taxithelium pluripunctatum (Ren. & Card.) Buck
Dist.: SA3, SA4, SA5, SA9, WIb.
Ref.: Buck 1985b, Florschütz-de Waard 1990.

Taxithelium portoricense Williams
Dist.: NA5, WIa1, WIa2, WIa4, WIa5, WIb.
Ref.: Buck & Steere 1983.

Taxithelium quelchii (C. Müll.) Par.
Dist.: SA3, SA4, SA5.
Ref.: Florschütz-de Waard 1990.

Tayloria altorum Herz.
Dist.: SA0, SA7, SA8.
Alt.: 4700 m.
Ref.: A. Koponen 1977, Menzel 1992.

Tayloria arenaria (C. Müll.) Broth.
Dist.: SA9.
Ref.: A. Koponen 1983.

Tayloria chiapensis Crum
Syn.: *Tayloria mexicana* Broth. ex Thér.
Dist.: NA5, CA1.
Ref.: Crum 1951.

Tayloria laciniata Spruce
Dist.: SA6.
Alt.: 2743 m.
Ref.: Steere 1948.

Tayloria magellanica (Brid.) Mitt.
Dist.: SA0, SA7.
Alt.: 3950 m.
Ref.: A. Koponen 1982, Menzel 1992.

Tayloria rubicaulis A. Kop.
Dist.: SA0, SA2.
Alt.: 4200–4260 m.
Ref.: A. Koponen 1990.

Tayloria scabriseta (Hook.) Mitt.
Dist.: CA6, SA0, SA2, SA6, SA7, SA8.
Alt.: 320–3962 m.
Ref.: A. Koponen 1977, 1982, Steere 1948.

Tayloria splachnoides (Schwaegr.) Hook.
Dist.: NA3, NA4a, NA5, Asia, Europe.
Ref.: A. Koponen 1983.

Teniolophora fluviatilis (Williams) Reese
Syn.: *Calymperes flaviatile* Williams
Dist.: WIa5.
Ref.: Reese 1962.

Tetraplodon itatiaiae C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Tetraplodon mnioides (Hedw.) Bruch & Schimp.
Dist.: NA, CA6, SA0, SA2, SA7, SA8, Africa, Asia, Europe.
Alt.: 3650 m.
Ref.: Iwatsuki & Steere 1975, Kis 1985.

Tetraplodon tomentosus Sehnem
Dist.: SA9.
Ref.: Yano 1981.

Tetrapterum lamprothecium (C. Müll.) Broth.
Dist.: SA9, SA12.
Ref.: Yano 1989.

Tetrapterum lilliputanum (Roth) Broth.
Dist.: CA7, SA9.
Ref.: Crosby 1969b, Yano 1981.

Tetrapterum recurvirostre (C. Müll.) Broth.
Dist.: SA11.
Ref.: Buck 1985a.

Tetrapterum vernicosum (Roth) Broth.
Dist.: SA9.
Ref.: Yano 1989.

Thamniopsis cruegeriana (C. Müll.) Buck
Syn.: *Hookeriopsis cruegeriana* (C. Müll.) Jaeg.
Dist.: NA5, CA1, CA6, SA0, SA2, SA6, SA7, SA9, WIb.
Alt.: 500–2400 m.
Ref.: Buck 1987a, Welch 1976, Griffin 1977a.

Thamniopsis diffusa (Wils.) Buck
Syn.: *Hookeriopsis diffusa* (Wils.) Jaeg.
Dist.: CA7, SA0, SA3.
Alt.: 1200–1600 m.
Ref.: Buck 1987a, Welch 1976.

Thamniopsis incurva (Hornsch.) Buck
Syn.: *Hookeriopsis incurva* (Hornsch.) Broth.
Dist.: NA5, CA1, CA6, CA7, SA2, SA7, SA8, SA9, SA10, SA12, WIa1, WIa4, WIa5, WIb.
Alt.: 2200–2800 m.
Ref.: Matteri 1972, Griffin 1977a.

Thamniopsis killipii (Williams) Bartr.
Syn.: *Hookeriopsis maguirei* Bartr.
Dist.: SA0, SA2, SA3, SA4.
Alt.: 500–700 m.
Ref.: Buck 1987a, Florschütz-de Waard 1990.

Thamniopsis langsdorffii (Hook.) Buck
Syn.: *Hookeriopsis schiffneri* Broth.
Dist.: SA9, SA11.
Ref.: Buck 1987a.

Thamniopsis pendula (Hook.) Fleisch.
Dist.: CA6, SA0, SA6, SA7, SA8, SA9.
Alt.: 914–2100 m.
Ref.: Buck 1987a, Welch 1976, Steere 1948.

Thamniopsis purpureophylla (C. Müll.) Buck
Syn.: *Hookeriopsis purpureophylla* (Britt.) Broth.
Dist.: SA0, SA2, SA6, SA7, SA8, SA9, Is G.
Ref.: Buck 1987a, Churchill 1989.

Thamniopsis sinuata (Mitt.) Buck
Syn.: *Hookeria sinuata* Mitt.
Dist.: SA6.
Alt.: 2134 m.
Ref.: Buck 1987a, Steere 1948.

Thamniopsis terrestris (Mitt.) Buck
Syn.: *Hookeriopsis terrestris* (Mitt.) Jaeg.
Dist.: SA7.
Alt.: 900 m.
Ref.: Buck 1987a, Menzel 1992.

Thamniopsis undata (Hedw.) Buck
Syn.: *Hookeriopsis undata* (Hedw.) Jaeg.
Dist.: CA1, CA6, CA7, SA0, SA2, SA3, SA6, SA7, SA8, SA9, SA11, WIa1, WIa2, WIa4, WIa5, WIb, Is G.
Alt.: 700–3962 m.
Ref.: Buck & Steere 1983, Menzel 1986b, 1992, Steere 1948, Welch 1969.

Thamnobryum subseriatum (Hook.) Nog. & Iwats.
Syn.: *Neckera subseriatum* Hook.
Dist.: NA, SA2, Asia, India, Japan.
Ref.: Noguchi & Iwatsuki 1972.

Thamnobryum tumidicaule (Wagn.) Bowers
Dist.: NA5, CA6, SA7, SA8, WIa2.
Alt.: 610–2450 m.
Ref.: Bowers 1974, Menzel 1986b, 1992.

Thelia hirtella (Hedw.) Sull.
Dist.: NA4b, NA5, WIa4.
Alt.: 960 m.
Ref.: Buck 1989c, Crum & Anderson 1981.
Thuidiopsis furfurosa (Hook. f. & Wils.) Fleisch.
Dist.: CA1, CA3, CA6, SA9, SA10, WIa4, J Fdez, Africa, Asia, Australia, New Zealand, Oceania.
Alt.: 1300–1450 m.
Ref.: Gier 1980, Robinson 1975.
Thuidiopsis masafuerae (Broth.) Broth.
Dist.: SA10, J Fdez.
Ref.: Gier 1980, Robinson 1975.
Thuidium antillarum Besch.
Dist.: CA6, CA7, SA0, SA2, SA3, SA6, SA7, SA9, WIa3, WIa5, WIb.
Alt.: 500–2800 m.
Ref.: Gier 1980, Griffin 1977a.
Thuidium arzobispoae (C. Müll.) Jaeg.
Dist.: SA0.
Ref.: Gier 1980, Churchill 1989.
Thuidium brasiliense Mitt.
Dist.: SA6, SA7, SA8, SA9, WIb.
Ref.: Gier 1980, Steere 1948.
Thuidium breviacuminatum Herz.
Dist.: SA8.
Ref.: Gier 1980, Hermann 1976.
Thuidium campanulatum Mitt.
Dist.: SA0, SA6, SA7.
Alt.: 100–2100 m.
Ref.: Gier 1980, Hegewald & Hegewald 1985.
Thuidium carantae (C. Müll.) Jaeg.
Dist.: SA0, SA6, SA7.
Alt.: 700–2000 m.
Ref.: Gier 1980, Hegewald & Hegewald 1985.
Thuidium ciliatum Mitt.
Dist.: SA0, SA2, SA7, SA8.
Alt.: 550–600 m.
Ref.: Gier 1980, Menzel 1992.
Thuidium costaricense Broth. & Thér.
Dist.: CA6.
Ref.: Gier 1980, Bowers 1974.
Thuidium cylindraceum Mitt.
Dist.: SA6.
Alt.: 1829–2743 m.
Ref.: Gier 1980, Steere 1948.
Thuidium cymbifolium (Doz. & Molk.) Doz. & Molk.
Dist.: SA2, WIa1.
Ref.: Gier 1980.
Thuidium delicatulum (Hedw.) Schimp. in B.S.G. var. *delicatulum*
Dist.: NA2, NA3, NA4, NA5, CA1, CA2, CA3, CA4, CA5, CA6, SA0, SA2, SA6, SA7, SA8, SA9, WIa1, WIa3, WIa4, WIb, Is G, Caucasus, Europe, Japan.
Alt.: 914–3901 m.
Ref.: Gradstein & Weber 1982, Yano 1989.
Thuidium delicatulum (Hedw.) Schimp. in B.S.G. var. *peruvianum* (Mitt.) Crum
Syn.: *Thuidium robustum* Card.
Dist.: NA5, CA1, SA2, SA6, SA7, SA8, SA9.
Alt.: 1500–4250 m.
Ref.: Allen 1988, Griffin 1975a.
Thuidium delicatulum (Hedw.) Schimp. in B.S.G. var. *radicans* (Kindb.) Crum, Steere & Anderson
Syn.: *Thuidium philibertii* Limpr.
Dist.: NA2, NA3, NA4, NA5, CA1, CA3, CA6, Caucasus, China, Europe, Japan, Siberia.
Alt.: 1020–2835 m.
Ref.: Winkler 1965, Bowers 1974.
Thuidium erectum Duby
Dist.: NA4b, CA6, SA2, SA6, SA7, SA8, SA9, WI.
Alt.: 1050–2650 m.
Ref.: Gier 1980, Hegewald & Hegewald 1985.
Thuidium espinosae Herz.
Dist.: SA6.
Ref.: Gier 1980.
Thuidium frontinoae (C. Müll.) Jaeg.
Dist.: SA0, SA2, SA9.
Ref.: Gier 1980, Yano 1989.
Thuidium granulatum (Hampe) Jaeg.
Dist.: SA9.
Ref.: Gier 1980.
Thuidium intermedium Mitt.
Dist.: SA6, SA7.
Alt.: 700–3200 m.
Ref.: Gier 1980, Steere 1948, Menzel 1992.
Thuidium latopulvinatum Herz.
Dist.: SA8, SA9, SA10.
Ref.: Gier 1980, Yano 1989, Hermann 1976.

Thuidium mattogrossense Broth.
Dist.: SA9.
Ref.: Gier 1980.
Thuidium ocraceum Herz.
Dist.: SA8.
Ref.: Gier 1980, Hermann 1976.
Thuidium paraguense Besch.
Dist.: SA11.
Ref.: Gier 1980, Buck 1985a.
Thuidium patrum Sehnem
Dist.: SA9.
Ref.: Gier 1980.
Thuidium pinnatulum Lindb. in Ångstr.
Dist.: SA9.
Ref.: Yano 1981.
Thuidium poeppigii C. Müll.
Dist.: SA7.
Ref.: Gier 1980, Menzel 1992.
Thuidium pseudodelicatulum Jaeg.
Dist.: SA0, SA6.
Alt.: 1300 m.
Ref.: Gier 1980, Steere 1948.
Thuidium pseudoprotensum (C. Müll.) Mitt.
Dist.: CA6, SA0, SA2, SA6, SA7, SA8, SA9, WIa1.
Ref.: Gier 1980, Pursell 1973.
Thuidium purpureum (Geh. & Hampe) Par.
Dist.: SA9.
Ref.: Gier 1980.
Thuidium pusillum Mitt.
Dist.: SA2, SA8, SA9.
Ref.: Gier 1980, Yano 1989, Hermann 1976.
Thuidium serricolum (C. Müll.) Par.
Dist.: SA9.
Ref.: Gier 1980.
Thuidium siphotheca (C. Müll.) Jaeg.
Dist.: CA1, SA2.
Ref.: Gier 1980, Pursell 1973.
Thuidium subdelicatulum (Hampe) Broth.
Dist.: SA9.
Ref.: Gier 1980.
Thuidium subgranulatum (Geh. & Hampe) Kindb.
Dist.: SA9.
Ref.: Gier 1980.
Thuidium subinvolvens C. Müll.
Dist.: WIa1.
Ref.: Gier 1980.
Thuidium subpinnatum Broth.
Dist.: SA9.
Ref.: Gier 1980.
Thuidium subtamariscinum (Hampe) Broth.
Dist.: SA9.
Ref.: Gier 1980.
Thuidium tamariscinum (Hedw.) B.S.G.
Dist.: CA3, CA4, CA6, CA7, SA0, SA2, SA9, SA12, Africa.
Alt.: 2350 m.
Ref.: Watanabe 1972, Gier 1980, Kis 1985.
Thuidium tomentosum Schimp. in Besch.
Dist.: NA5, CA1, CA2, CA4, CA6, CA7, SA2, SA3, SA4, SA5, SA9, SA12, WI, Africa, Asia, Europe.
Alt.: 610–1524 m.
Ref.: Gier 1980, Florschütz-de Waard 1990.
Thuidium urceolatum Lor.
Dist.: SA0, SA2, SA4, SA7, SA9, WIa1, WIa2, WIa3, WIa4, WIa5.
Alt.: 2800 m.
Ref.: Gier 1980, Buck & Steere 1983.
Thuidium verrucipes C. Müll.
Dist.: SA3.
Ref.: Gier 1980.
Thuidium yungarum Herz.
Dist.: SA8.
Ref.: Gier 1980, Hermann 1976.
Thysanomitrion miserum Broth.
Dist.: SA9.
Ref.: Frahm 1974.
Thysanomitrion wainioi Broth. ex C. Müll.
Dist.: SA9.
Ref.: Frahm 1974.
Timmia megapolitana Hedw. var. *bavarica* (Hessl.) Brid.
Dist.: NA1, NA2, NA3, NA4a, NA5, Africa, Asia, Caucasus, Europe.
Alt.: 3200 m.
Ref.: Crum & Anderson 1981.
Timmiella anomala (B.S.G.) Limpr.
Dist.: NA4a, NA5, CA1, CA3, Africa, Europe, Himalayas.
Alt.: 1300 m.
Ref.: Saito 1975, Kis 1985, Winkler 1965.
Timmiella barbuloides (Brid.) Moenk.
Dist.: SA9, Africa, Asia, Europe.
Ref.: Yano 1981.
Tortella bryotropica Zand.
Dist.: SA7.
Alt.: 2600 m.
Ref.: Menzel 1992.

Tortella contortifolia (Mitt.) Broth. in Par.
Dist.: SA6, SA8.
Alt.: 3048 m.
Ref.: Steere 1948, Hermann 1976.
Tortella germainii (C. Müll.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Tortella grossiretis Bartr.
Dist.: SA9.
Ref.: Yano 1981.
Tortella humilis (Hedw.) Jenn.
Dist.: NA4b, NA5, CA1, SA2, SA6, SA8, SA9, SA11, WIa1, WIa2, WIa3, WIa4, WIa5, Is G, Africa, Asia, Europe, Oceania.
Alt.: 462–2600 m.
Ref.: Gradstein & Weber 1982, Bizot 1973.
Tortella japonica (Besch.) Broth.
Dist.: NA5, Asia.
Ref.: Saito 1975.
Tortella jugicola (Duby) Par.
Dist.: SA9.
Ref.: Yano 1981.
Tortella lindmaniana Broth.
Dist.: SA9.
Ref.: Yano 1981.
Tortella muralis Hedw.
Dist.: SA9.
Ref.: Yano 1989.
Tortella pileomayica Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Tortella simplex Robins.
Dist.: SA6.
Alt.: 2900 m.
Ref.: Robinson, Holm-Nielsen & Lojtnant 1977.
Tortella subfragilis Crum & Steere
Dist.: SA6, WIa5.
Alt.: 2400 m.
Ref.: Robinson, Holm-Nielsen & Jeppesen 1971.
Tortella tortuosa (Hedw.) Limpr.
Syn.: *Tortella guatemalensis* Bartr.
Dist.: NA1, NA2, NA3, NA4a, NA4b, NA5, CA1, CA3, CA6, SA0, SA7, WIa4; Northern Hemisphere.
Alt.: 700–2700 m.
Ref.: Saito 1975, Buck & Steere 1983.

Tortula acletoi Robins.
Dist.: SA7.
Alt.: 2800 m.
Ref.: Robinson 1971b.
Tortula aculeata (Wils.) Mitt.
Dist.: SA6, SA7, SA8.
Alt.: 2896 m.
Ref.: Steere 1948, Menzel 1992.
Tortula amphidiacea (C. Müll.) Broth.
Syn.: *Tortula caroliniana* Andr.
Dist.: NA4b, NA5, CA1, CA3, CA6, SA0, SA6, SA7, SA9.
Alt.: 0–3000 m.
Ref.: Mishler 1985, Steere & Chapman 1946.
Tortula andersonii Ångstr.
Dist.: SA10, SA12.
Ref.: Kramer 1988.
Tortula andicola Mont.
Dist.: NA5, SA0, SA2, SA6, SA7, SA8, SA10, SA12.
Alt.: 2700–4900 m.
Ref.: Mishler 1985, Menzel 1986a, 1992.
Tortula bartramii Steere in Grout
Dist.: NA4, NA5.
Ref.: Crum 1951.
Tortula bipedicellata Britt.
Dist.: SA8.
Ref.: Hermann 1976.
Tortula bogotensis (Hampe) Mitt.
Syn.: *Tortula guatemalensis* Bartr.
Dist.: NA5, CA1, SA0, SA6, SA7.
Alt.: 1800–4250 m.
Ref.: Mishler 1985, Menzel 1986a, 1992.
Tortula brachyclada Card.
Dist.: SA10, SA12, SA13.
Ref.: Kramer 1988.
Tortula brevipes (Lesq.) Broth.
Dist.: NA4a, NA5.
Ref.: Mishler 1985.
Tortula brunnea (C. Müll.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.
Tortula buchtienii Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Tortula californica Bartr.
Dist.: NA4a, NA5.
Ref.: Mishler 1985.

Tortula chisosa Magill, Delg. & Stark
Dist.: NA4, NA5, Africa.
Alt.: 1500–2700 m.
Ref.: Magill, Delgadillo & Stark 1983, Mishler 1985, 1986.

Tortula ciliata Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Tortula crenata Mitt.
Dist.: SA6.
Ref.: Steere 1948.

Tortula densifolia (Hook. f. & Wils.) Hook. f. & Wils.
Dist.: SA7, SA10, SA14.
Alt.: 4400 m.
Ref.: Menzel 1992.

Tortula denticulata (Wils.) Mitt.
Dist.: SA6, SA7, SA8, WI.
Alt.: 3048–4100 m.
Ref.: Mishler 1985, Steere 1948.

Tortula eckeliae Zand.
Dist.: NA5.
Alt.: 2220 m.
Ref.: Zander 1985a.

Tortula elongata (Wils.) Mitt.
Dist.: CA, SA2, SA6.
Ref.: Steere 1948, Pursell 1973.

Tortula fragilis Tayl.
Dist.: NA4, NA5, CA1, SA0, SA2, SA6, SA7, SA8, SA9, WIa3, WIa4, Is G, Africa, China, Europe, Iran.
Alt.: 350–4400 m.
Ref.: Mishler 1985, Buck & Steere 1983.

Tortula glacialis (C. Müll.) Mont.
Dist.: SA6, SA8, SA10.
Alt.: 2400–3658 m.
Ref.: Steere 1948, Hermann 1976.

Tortula goudotii (Hampe) Mitt.
Dist.: SA0, SA2, SA8.
Alt.: 3700 m.
Ref.: Griffin 1975a, Hermann 1976.

Tortula herzogii Zand.
Dist.: SA7, SA8.
Alt.: 3850–4050 m.
Ref.: Menzel 1986a, 1992.

Tortula heteroloma Card.
Dist.: NA5.
Ref.: Crum 1951.

Tortula humida Mitt.
Dist.: SA6.
Ref.: Steere 1948.

Tortula inermis (Brid.) Mont.
Dist.: NA4a, NA5; Mediterranean Region.
Ref.: Mishler 1985.

Tortula kingii Robins.
Dist.: SA0, SA7.
Alt.: 3000–4300 m.
Ref.: Hegewald & Hegewald 1985.

Tortula lacerifolia Williams
Dist.: SA7, SA8.
Alt.: 3000–3100 m.
Ref.: Menzel 1992, Hermann 1976.

Tortula leiostoma Herz.
Syn.: *Tortula limbata* (Mitt.) Mitt.
Dist.: NA5, SA6, SA8.
Ref.: Steere 1948, Hermann 1976.

Tortula lemniscata Zand.
Dist.: SA7.
Alt.: 4800 m.
Ref.: Zander 1986a.

Tortula ligulata Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Tortula limensis Williams
Dist.: SA7.
Ref.: Kramer 1988.

Tortula linguifolia Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Tortula minima Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Tortula minuscula Williams
Dist.: SA7.
Ref.: Menzel 1992.

Tortula muralis Hedw.
Dist.: NA3, NA4a, NA4b, SA7, SA9, SA11, Africa, China, Europe, Japan.
Ref.: Mishler 1985, Crum & Anderson 1981, Magill 1981.

Tortula napoana De Not.
Dist.: SA6.
Ref.: Steere 1948.

Tortula navicularis (Mitt.) Broth.
Syn.: *Weisia navicularis* Mitt.
Dist.: WIa1.
Ref.: Mitten 1869.

Tortula nigra Zand.
Dist.: SA7.
Alt.: 3350 m.
Ref.: Zander 1986a.

Tortula obtusissima (C. Müll.) Mitt.
Dist.: NA4a, NA5, SA7, SA8.
Alt.: 400–4100 m.
Ref.: Mishler 1985.

Tortula pagorum (Milde) De Not.
Dist.: NA4, NA5, Africa, Australia, Europe, Japan, New Zealand.
Ref.: Mishler 1985.

Tortula papillosa Wils. ex Spruce
Dist.: NA4, NA5, SA0, SA6, SA9, SA14, Africa, Australia, Europe, New Zealand, Tasmania.
Alt.: 1420–2591 m.
Ref.: Mishler 1985, Steere 1948.

Tortula percarnosa (C. Müll.) Broth.
Dist.: southern SA, SA8.
Ref.: Hermann 1976.

Tortula pichinchensis Tayl.
Dist.: SA0, SA6, SA7, SA8, WI.
Alt.: 2000–4570 m.
Ref.: Steere 1948, Menzel 1986a, 1992.

Tortula polylepidis Herz.
Dist.: SA7, SA8.
Alt.: 3950 m.
Ref.: Mishler 1985, Hermann 1976.

Tortula polyseta (C. Müll.) Warnst.
Dist.: NA5, SA7, SA8, SA12.
Alt.: 4500 m.
Ref.: Menzel 1992, Hermann 1976.

Tortula princeps De Not.
Dist.: NA, NA5, western & southern SA, Africa, Asia, Antarctica, Australia, Hawaii, New Zealand.
Ref.: Mishler 1985.

Tortula prostata Mont.
Syn.: *Calyptopogon mnioides* (Schwaegr.) Broth.
Dist.: southern SA, SA6, Australia, New Zealand.
Ref.: Steere 1948.

Tortula robusta Hook. & Grev.
Dist.: southern SA, SA8.
Ref.: Hermann 1976.

Tortula ruralis (Hedw.) Gaertn., Meyer & Scherb.
Dist.: NA5, SA7, SA8, Africa; Northern Hemisphere.
Alt.: 2550–4400 m.
Ref.: Mishler 1985, Magill 1981.

Tortula sabatieri (Besch.) Broth.
Syn.: *Barbula sabatieri* Besch.
Dist.: SA7.
Ref.: Menzel 1992.

Tortula scabrinervis (C. Müll.) Mont.
Dist.: SA8, SA10, J Fdez.
Ref.: Robinson 1975, Hermann 1976.

Tortula serripungens (Lor. & C. Müll.) Broth.
Dist.: southern SA, SA8.
Ref.: Hermann 1976.

Tortula sordida Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Tortula viridula (C. Müll.) Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Tortula xerophila Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Trachydontium zanderi Steere
Dist.: SA6.
Alt.: 2650 m.
Ref.: Steere 1986.

Trachyphyllum dusenii (C. Müll. ex Broth.) Broth.
Dist.: SA9, Africa.
Alt.: 400–850 m.
Ref.: Buck & Griffin 1984, Yano 1989.

Trachypodopsis serrulata (P. Beauv.) Fleisch. var. *crispatula* (Hook.) Zant.
Syn.: *Trachypodopsis otiophylla* (Card.) Card.
Dist.: NA5, CA1, Africa, Asia, Indonesia, Philippines.
Ref.: Bowers & Sharp 1975, Kis 1985.

Trachypus viridulus (Mitt.) Broth.
Syn.: *Trachypus bicolor* var. *viridulus* (Mitt.) Zant.
Dist.: NA5, CA1, CA3, CA6, SA0, SA6, WIa1, WIa2, WIa3, WIa4, Africa, Asia, Ceylon, Indonesia, Japan, Madagascar, Philippines.
Alt.: 1067–2347 m.
Ref.: Buck & Steere 1983, Kis 1985.

Trachyxiphium aduncum (Mitt.) Buck
Syn.: *Hookeriopsis asprella* (Hampe) Broth.
Dist.: SA0, SA2, SA3, SA6, SA7, SA8, SA9, SA11, WIb, Is G.
Ref.: Buck 1987a, Yano 1989.

Trachyxiphium guadalupense (Brid.) Buck
Syn.: *Hookeriopsis guadalupensis* (Brid.) Jaeg.
Dist.: CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5, WIb, Is G.
Alt.: 914–3200 m.
Ref.: Buck 1987a, Welch 1976, Steere 1948.

Trachyxiphium heteroicum (Card.) Buck
Syn.: *Hookeriopsis heteroica* Card.
Dist.: NA4b, NA5.
Alt.: 0–1676 m.
Ref.: Buck 1987a, Welch 1972b, 1976.

Trachyxiphium hypnaceum (C. Müll.) Buck
Syn.: *Hookeriopsis subaurescens* (Geh. & Hampe) Broth.
Dist.: SA0, SA9.
Ref.: Buck 1987a, Yano 1989.

Trachyxiphium pernutans (C. Müll.) Buck
Syn.: *Hookeria pernutans* C. Müll.
Dist.: SA2.
Ref.: Buck 1987a.

Trachyxiphium steerei (Griffin) Churchill
Syn.: *Hookeriopsis steerei* Griffin
Dist.: SA0, SA2.
Alt.: 3500 m.
Ref.: Churchill 1991a.

Trachyxiphium subfalcatum (Hampe) Buck
Syn.: *Hookeriopsis subfalcata* (Hampe) Jaeg.
Dist.: NA5, CA1, CA4, CA6, SA0, SA2, SA6, SA7.
Alt.: 900–3200 m.
Ref.: Buck 1987a, Welch 1976, Steere 1948.

Trachyxiphium tenue (Mitt.) Buck
Syn.: *Hookeria tenuis* Mitt.
Dist.: SA0, SA2, SA6, SA7, SA8, Is G.
Alt.: 400–900 m.
Ref.: Buck 1987a, Menzel 1992.

Trachyxiphium vagum (Mitt.) Buck
Syn.: *Hookeriopsis cubensis* Thér.
Dist.: SA6, WIa1.
Ref.: Buck 1987a, Welch 1976.

Trachyxiphium variable (Mitt.) Buck
Syn.: *Hookeriopsis variabilis* (Mitt.) Jaeg.
Dist.: CA6, SA0, SA2, SA3, SA6, SA7, SA8, SA9, SA11, WIb, Is G.
Alt.: 1700 m.
Ref.: Buck 1987a, Welch 1976, Yano 1989.

Trematodon ambiguus (Hedw.) Hornsch.
Dist.: NA4b, SA9, Europe.
Ref.: Buck 1979, Yano 1989.

Trematodon aureus C. Müll. ex Roth
Dist.: SA9.
Ref.: Buck 1979.

Trematodon bolivianus C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.

Trematodon brevifolius Broth. ex C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Trematodon brevirostris Hampe
Dist.: SA0.
Ref.: Churchill 1989.

Trematodon fendleri C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.

Trematodon gymnostomus Lindb. ex C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Trematodon heterophyllus C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Trematodon humilis Mitt.
Dist.: SA6.
Alt.: 364 m.
Ref.: Steere 1948.

Trematodon latoobtusus C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Trematodon longicollis Michx.
Syn.: *Trematodon reflexus* C. Müll.
Dist.: NA4b, NA5, CA1, CA3, CA6, CA7, SA0, SA7, SA8, SA9, SA11, WIa1, WIa5, Africa, Asia, Crete, Europe, Fiji, Hawaii, Japan, New Guinea, Philippines.
Alt.: 700 m.
Ref.: Hegewald & Hegewald 1985, Kis 1985.

Trematodon lozanoi Card.
Dist.: NA5.
Alt.: 1840 m.
Ref.: Crum 1951.

Trematodon mirabilis Broth.
Dist.: SA9.
Ref.: Buck 1979.

Trematodon nitidulus Schimp. ex Besch.
Dist.: NA5.
Ref.: Crum 1951.

Trematodon norrisii Sharp
Dist.: NA5.
Ref.: Sharp 1986.
Trematodon palettifolius C. Müll. ex Besch.
Dist.: SA11.
Ref.: Buck 1985a.
Trematodon pauperifolius C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Trematodon vaginatus C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Trichosteleum ambiguum (Schwaegr.) Par.
Dist.: CA7, SA2, SA6, SA7, SA8, SA9.
Alt.: 200–1800 m.
Ref.: Crosby 1969b, Steere 1948.
Trichosteleum arrectum (Mitt.) Jaeg.
Dist.: SA2, SA8, SA9.
Ref.: Yano 1981, Hermann 1976.
Trichosteleum brachydictyon (Besch.) Jaeg.
Dist.: WIa5, WIb.
Ref.: Buck 1983a.
Trichosteleum consanguineum (Mitt.) Jaeg.
Dist.: SA9.
Ref.: Yano 1981.
Trichosteleum cyparissoides (Hornsch.) Robins.
Syn.: *Trichosteleum bolivarense* Robins.
Dist.: SA0, SA2, SA3.
Alt.: 440 m.
Ref.: Buck 1990a, Robinson 1967a.
Trichosteleum dicranoides Broth.
Dist.: SA9.
Ref.: Yano 1981.
Trichosteleum fluviale (Mitt.) Jaeg.
Dist.: NA5, CA1, CA2, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA7, SA8, SA9.
Alt.: 160–500 m.
Ref.: Gradstein & Florschütz-de Waard 1989.
Trichosteleum glaucinum (Besch.) Jaeg.
Dist.: WIb.
Ref.: Buck 1983a.
Trichosteleum guianae (C. Müll.) Broth.
Dist.: SA3, SA9.
Ref.: Yano 1989.
Trichosteleum hornschuchii (Hampe) Jaeg.
Dist.: SA3, SA4, SA5.
Ref.: Florschütz-de Waard 1990.
Trichosteleum inundatum (Mitt.) Jaeg.
Dist.: SA2, SA9.
Ref.: Yano 1981, Pursell 1973.
Trichosteleum janeirense Broth.
Dist.: SA9.
Ref.: Yano 1981.
Trichosteleum mastopomatoides Churchill & Sastre
Dist.: SA0.
Ref.: Churchill & Sastre-de Jesús 1987.
Trichosteleum micropyxis (C. Müll.) Broth.
Dist.: SA3, SA5.
Ref.: Florschütz-de Waard 1990.
Trichosteleum microstegium (Besch.) Jaeg.
Dist.: WI.
Ref.: Buck 1983a.
Trichosteleum papillosissimum (Hampe) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Trichosteleum papillosum (Hornsch.) Jaeg.
Dist.: CA7, SA0, SA2, SA3, SA4, SA5, SA9, Africa.
Alt.: 500–1600 m.
Ref.: Gradstein & Florschütz-de Waard 1989.
Trichosteleum pusillum (Hornsch.) Jaeg.
Dist.: SA9.
Ref.: Yano 1981.
Trichosteleum rubrisetum (Mitt.) Jaeg.
Dist.: SA6, SA7, SA9.
Alt.: 914–1700 m.
Ref.: Yano 1989, Steere 1948, Menzel 1992.
Trichosteleum sentosum (Sull.) Jaeg.
Dist.: NA5, CA2, CA5, SA2, SA9, WIa1, WIa2, WIa5, WIb.
Ref.: Buck 1983a, Crum & Steere 1957.
Trichosteleum subdemissum (Besch.) Jaeg.
Dist.: SA0, WIa1, WIb.
Ref.: Buck 1983a, Churchill 1989.
Trichosteleum sublaevigatum Herz.
Dist.: SA9.
Ref.: Yano 1981.
Trichosteleum verrucosum Ren. & Card.
Dist.: CA6.
Ref.: Bowers 1974.
Trichosteleum vicentinum (Mitt.) Jaeg.
Syn.: *Trichosteleum microcarpum* (Mitt.) Broth.
Dist.: CA6, SA2, SA7, SA8, SA9, WIa4.
Alt.: 450–2800 m.
Ref.: Buck 1983a, Griffin 1977a.
Trichostomum aequatoriale Spruce ex Dix.
Dist.: SA6.
Alt.: 1900–3000 m.
Ref.: Robinson, Holm-Nielsen & Jeppesen 1971.

Trichostomum apophysatulum Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Trichostomum brachydontium Bruch
Syn.: *Hyophila mexicana* Thér.
Dist.: NA4b, NA5, CA1, CA6, SA0, SA3, SA6, SA7, WIa3, WIa4, J Fdez, Africa, Asia, Australia, Europe.
Alt.: 300–3850 m.
Ref.: Saito 1975, Florschütz-de Waard 1990.
Trichostomum caespitosum (Bruch) Jur.
Dist.: SA9, Europe.
Ref.: Yano 1989.
Trichostomum cavernarum Broth.
Dist.: SA9.
Ref.: Yano 1981.
Trichostomum compactulum C. Müll.
Dist.: southern SA, SA8.
Ref.: Hermann 1976.
Trichostomum crispulum Bruch
Dist.: NA5; Northern Hemisphere.
Alt.: 300–2200 m.
Ref.: Stoneburner 1985.
Trichostomum duidense Bartr. in Maguire & Wurdack
Dist.: SA2, SA3, SA9.
Alt.: 500–1600 m.
Ref.: Gradstein & Florschütz-de Waard 1989.
Trichostomum edentulum Broth. in Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Trichostomum ekmanii Thér.
Dist.: WIa1, WIa3.
Ref.: Duarte n.d., Buck & Steere 1983.
Trichostomum fallactosum Welch & Crum
Dist.: WIa1, WIa2.
Ref.: Welch & Crum 1959, Duarte n.d.
Trichostomum involutum Sull.
Dist.: SA8, WIa1, WIa3, WIa4, WIa5.
Alt.: 304–610 m.
Ref.: Buck & Steere 1983, Bizot 1973.
Trichostomum leptocylindricum C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Trichostomum linealifolium C. Müll.
Dist.: NA, SA2, SA6.
Ref.: Steere 1948, Pursell 1973.
Trichostomum marginatum Robins.
Dist.: SA7.
Alt.: 2100 m.
Ref.: Robinson 1971b.
Trichostomum molariforme Zand.
Dist.: NA4b, NA5, CA1, Bahamas, WIa2, WIa3, WIa5.
Ref.: Zander 1982b.
Trichostomum novogranatense Broth. & Irmsch.
Dist.: SA0.
Ref.: Churchill 1989.
Trichostomum paludicola (Broth.) Hilp.
Dist.: SA8.
Ref.: Hermann 1976.
Trichostomum pomangium Herz.
Dist.: SA8.
Ref.: Hermann 1976.
Trichostomun portoricense Crum & Steere
Dist.: WIa5.
Ref.: Crum & Steere 1957.
Trichostomum prionodon C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Trichostomum raapii Broth.
Dist.: SA0.
Ref.: Churchill 1989.
Trichostomum rigidiusculum Schimp. in C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.
Trichostomum subcirrhatum Hampe
Dist.: SA9.
Ref.: Yano 1981.
Trichostomum subconnivens Thér.
Dist.: WIa1.
Ref.: Duarte n.d.
Trichostomum sublamprothecium Par.
Dist.: WIa2, WIa3, WIa5.
Ref.: Crum & Steere 1957.
Trichostomum tovarense C. Müll.
Dist.: SA2.
Ref.: Pursell 1973.
Trichostomum wagneri (C. Müll.) Broth.
Dist.: SA2.
Ref.: Pursell 1973.
Trichostomum weisioides C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Triquetrella spiculosa Thér.
Dist.: SA6.
Ref.: Steere 1948.
Trismegistia breviflagellosa C. Müll.
Dist.: SA9.
Ref.: Yano 1981.

Tristichium lorentzii C. Müll.
Dist.: SA0, SA7, SA8, SA12.
Alt.: 4130–4300 m.
Ref.: Churchill 1991a, Hermann 1976.
Tristichium mirabile (C. Müll.) Herz.
Syn.: *Tristichiopsis mirabilis* C. Müll.
Dist.: NA5, CA6, SA0, SA2, SA8, SA12, Africa.
Alt.: 4350 m.
Ref.: Florschütz-de Waard & Florschütz 1979.
Tuerckheimia angustifolia (Saito) Zand.
Syn.: *Gymnostomum angustifolium* Saito
Dist.: NA2, NA4b, NA5, Japan, Korea, Taiwan.
Ref.: Zander 1978b.
Tuerckheimia calculosa Zand. & Eckel
Dist.: NA5.
Ref.: Zander & Eckel 1987.
Tuerckheimia guatemalensis Broth.
Dist.: CA1.
Ref.: Zander 1978b.
Tuerckheimia valeriana (Bartr.) Zand.
Syn.: *Gymnostomum valerianum* (Bartr.) Zand.
Dist.: NA5, CA1, CA6, CA7.
Ref.: Zander 1978b.
Ulea octoblepharis (Jaeg.) C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Uleastrum palmicola (C. Müll.) Buck
Syn.: *Ulea palmicola* C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Uleastrum paraguense (Besch.) Buck
Dist.: SA11.
Ref.: Buck 1985a.
Uleobryum curtisii Stone
Dist.: NA5, Australia.
Ref.: Cárdenas 1988.
Uleobryum peruvianum Broth.
Syn.: *Phascum brittoniae* Crum & Steere
Dist.: NA5, SA7, WIa5, WIb.
Alt.: 1435 m.
Ref.: Delgadillo & Zander 1984.
Vesicularia cruegeri C. Müll.
Dist.: SA7, WIb.
Alt.: 100 m.
Ref.: Hegewald & Hegewald 1985.
Vesicularia glaucina (Besch.) Broth.
Dist.: SA11.
Ref.: Buck 1985a.
Vesicularia glaucopinnata C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Vesicularia glazioviana C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Vesicularia oedicarpa C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Vesicularia orbicifolia C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Vesicularia paranahybae C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Vesicularia paulensis (Geh. & Hampe) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Vesicularia pelvifolia C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Vesicularia perpinnata (Broth.) Broth.
Dist.: SA9.
Ref.: Yano 1981.
Vesicularia rivalis Broth.
Dist.: SA9.
Ref.: Yano 1981.
Vesicularia sigmatellopsis C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Vesicularia squamatifolia C. Müll.
Dist.: SA11.
Ref.: Buck 1985a.
Vesicularia suburceolata (Hampe & Lor.) Broth.
Dist.: SA6.
Alt.: 914 m.
Ref.: Steere 1948.
Vesicularia tophacea C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Vesicularia trullifolia C. Müll.
Dist.: SA9.
Ref.: Yano 1981.
Vesicularia vesicularis (Schwaegr.) Broth. var. *crassicaulis* (Mitt.) Buck
Dist.: NA, CA6, WIa1, WIa3, WIa4.
Ref.: Buck 1984b, Buck & Steere 1983.

Vesicularia vesicularis (Schwaegr.) Broth. var. *portoricensis* (Brid.) Buck
Syn.: *Vesicularia amphibola* var. *poeppigiana* (Hampe) Crum & Bartr.
Dist.: NA, NA5, CA1, CA6, SA0, SA2, SA4, SA7, SA8, SA9, WIa1, WIa4, WIa5, WIb.
Alt.: 100–1050 m.
Ref.: Buck 1984b, Buck & Steere 1983.

Vesicularia vesicularis (Schwaegr.) Broth. var. *rutilans* (Brid.) Buck
Syn.: *Vesicularia vesicularis* (Schwaegr.) Broth. var. *amphibola* (Mitt.) Williams
Dist.: NA4b, NA5, CA1, CA2, CA6, CA7, SA0, SA6, SA7, SA8, SA9, SA11, WIa1, WIa4, WIa5, WIb.
Alt.: 100–1000 m.
Ref.: Buck 1984b, Buck & Steere 1983.

Vesicularia vesicularis (Schwaegr.) Broth. var. *vesicularis*
Dist.: NA5, CA1, CA3, CA7, SA2, SA3, SA4, SA5, SA6, SA7, SA8, SA9, WIa1, WIa2, WIa3, WIa4, WIa5.
Alt.: 400–1700 m.
Ref.: Buck 1984b, Florschütz-de Waard 1990.

Vittia pachyloma (Mont.) Ochyra
Dist.: SA0, SA7, SA9, SA10.
Alt.: 50–3400 m.
Ref.: Yano 1989, Deguchi 1991.

Voitia nivalis Hornsch.
Dist.: NA, SA7, Asia, Europe.
Alt.: 4500–4800 m.
Ref.: Menzel 1992.

Weisiopsis bahiensis (C. Müll.) Broth.
Dist.: SA9.
Ref.: Yano 1981.

Weisiopsis oblonga Thér.
Dist.: NA5, CA1.
Alt.: 1830 m.
Ref.: Crum 1951.

Weisiopsis spathulifolius Crum & Bartr.
Dist.: WIa1, WIa2
Ref.: Duarte n.d.

Weissia andersoniana Zand.
Syn.: *Weissia glauca* Bartr.
Dist.: NA4a, NA5.
Ref.: Stoneburner 1985.

Weissia andrewsii Bartr.
Dist.: NA4a, NA5.
Ref.: Bartram 1927.

Weissia breutelii C. Müll.
Dist.: WIa2, WIa3, WIa4, WIa5, WIb, Israel.
Ref.: Reese 1991b.

Weissia canaliculata Hampe
Dist.: SA9.
Ref.: Yano 1981.

Weissia condensa (Voit) Lindb.
Syn.: *Hymenostomum tortile* (Schwaegr. ex Schrad.) B.S.G.
Dist.: NA4a, NA5, CA, SA9, Africa, Caucasus, Europe.
Ref.: Stoneburner 1985.

Weissia controversa Hedw.
Syn.: *Hymenostomum mexicanum* Card.
Dist.: NA4a, NA5, CA2, CA6, SA0, SA2, SA6, SA8, SA9, WIa1, WIa3, WIa4, WIa5, Is G, J Fdez, Africa, Asia, Australia, Europe, Oceania; cosmopolitan.
Alt.: 2743 m.
Ref.: Stoneburner 1985, Robinson 1975.

Weissia flavescens (Britt. in N. L. Britt. & Millsp.) Reese
Dist.: WIa5, Virgin Islands, WIb, Bermuda.
Ref.: Reese 1991a, 1991b.

Weissia jamaicensis (Mitt.) Grout
Dist.: NA, NA4a, NA4b, NA5, CA1, CA7, SA2, SA9 WIa1, WIa2, WIa3, WIa4, WIa5, Is G.
Ref.: Stoneburner 1985, Buck & Steere 1983.

Weissia minycarpa Zand.
Syn.: *Weissia sinaloensis* Bartr.
Dist.: NA5, CA1, SA2, WIa5.
Ref.: Sharp, Crum & Eckel 1994, Zander 1985b.

Weissia planifolia Dix.
Dist.: NA5, China, Japan.
Ref.: Saito 1975.

Weissia semidiaphana (Thér.) Zand.
Syn.: *Hymenostomum semidiaphanum* Thér.
Dist.: NA5.
Ref.: Zander 1985b.

Weissia subangustifolia (Thér.) Zand.
Syn.: *Hyophila subangustifolia* Thér.
Dist.: NA5.
Ref.: Zander 1983b.

Weissia tortivelata Williams
Dist.: SA8.
Ref.: Hermann 1976.

Weissia umbrosa Mitt.
Dist.: SA6, SA7.
Alt.: 450–2743 m.
Ref.: Steere 1948, Menzel 1992.

Weissiodicranum insularum Reese
Dist.: WIa2, WIa5, Is G.
Alt.: 150–250 m.
Ref.: Reese & Buck 1991b.

Weymouthia mollis (Hedw.) Broth.
Syn.: *Pilotrichella pallidicaulis* C. Müll.
Dist.: SA7, SA9, SA10, J Fdez, Australia, New Zealand.
Alt.: 3000 m.
Ref.: Robinson 1975, Menzel 1992.

Wijkia alstonii (Bartr.) Irel.
Syn.: *Isopterygium alstonii* Bartr.
Dist.: SA2.
Alt.: 2000 m.
Ref.: Ireland 1991.

Wijkia costaricensis (Bartr. & Dix.) Crum
Syn.: *Acanthocladium costaricense* Bartr. & Dix.
Dist.: NA5, CA1, CA3, CA6, SA0, SA4, SA5.
Alt.: 1829–2697 m.
Ref.: Buck 1986, Florschütz-de Waard 1990.

Wijkia flagellifera (Broth.) Crum
Dist.: SA9, WIa1, WIa2, WIa3, WIa4.
Alt.: 1900 m.
Ref.: Buck 1986.

Wijkia subflagellifera (Biz.) Buck & Steere
Dist.: WIa1, WIa4.
Ref.: Buck & Steere 1983, Duarte n.d.

Wijkia subnitida (Hampe) Crum
Syn.: *Acanthocladium subnitidum* (Hampe) Broth.
Dist.: CA6, SA0, SA7, SA8.
Alt.: 200–2500 m.
Ref.: Buck 1986, Menzel 1992.

Wilsoniella flaccida (Williams) Broth.
Dist.: SA8.
Ref.: Hermann 1976.

Wilsoniella subvaginans Crum & Steere
Dist.: WIa5.
Ref.: Crum & Steere 1957.

Zelometeorium allionii Manuel
Syn.: *Zelometeorium patens* var. *allionii* (Manuel) Menzel
Dist.: CA6, SA6, SA7.
Alt.: 900–1500 m.
Ref.: Manuel 1977d, Menzel 1992.

Zelometeorium ambiguum (Hornsch. in Mart.) Manuel
Dist.: SA8, SA9, SA11, SA12, SA13, Africa.
Alt.: 50–2100 m.
Ref.: Manuel 1977d, Buck 1985a.

Zelometeorium patens (Hook.) Manuel
Dist.: SA0, SA2, SA6, SA7, SA8, SA9, WIa3, WIa4.
Alt.: 150–3400 m.
Ref.: Manuel 1977d, Buck & Steere 1983.

Zelometeorium patulum (Hedw.) Manuel
Syn.: *Meteoriopsis patula* (Hedw.) Broth.
Dist.: NA4b, NA5, CA1, CA2, CA3, CA4, CA5, CA6, CA7, SA0, SA2, SA3, SA4, SA5, SA6, SA7 SA8, SA9, SA10, WIa1, WIa2, WIa3, WIa4, WIa5, WIb, Is G.
Alt.: 5–2700 m.
Ref.: Manuel 1977d, Reese 1979a, Bizot 1973.

Zelometeorium recurvifolium (Hornsch. in Mart.) Manuel
Syn.: *Meteoriopsis recurvifolia* (Hornsch.) Broth.
Dist.: CA1, CA3, CA6, CA7, SA0, SA2, SA6, SA7, SA8, SA9, WIa5.
Alt.: 400–1920 m.
Ref.: Manuel 1977d, Steere 1948.

Zygodon altarensis Broth.
Dist.: SA6.
Alt.: 4000–4200 m.
Ref.: Steere 1948.

Zygodon brevipes C. Müll.
Dist.: SA8.
Ref.: Hermann 1976.

Zygodon campylophyllus C. Müll.
Dist.: NA5, CA1, SA0, SA7, WIa3, WIa4.
Alt.: 2000–4000 m.
Ref.: Buck & Steere 1983, Steere 1985.

Zygodon ehrenbergii C. Müll.
Syn.: *Zygodon oligodontus* Card.
Dist.: NA5, CA1, SA0, SA7.
Alt.: 2000–4800 m.
Ref.: Menzel 1986a, 1992, Churchill 1989.

Zygodon fasciculatus Mitt.
Dist.: SA6, SA8.
Alt.: 2438–3500 m.
Ref.: Steere 1948, Hermann 1976.

Zygodon fragilis Robins.
Dist.: SA0, SA6, SA7.
Alt.: 3750–4300 m.
Ref.: Robinson, Holm-Nielsen & Lojtnant 1977.

Zygodon fruticola Williams
Dist.: SA7.
Alt.: 450–800 m.
Ref.: Hegewald & Hegewald 1985.

Zygodon goudotii Hampe
Dist.: SA0, SA2, SA6, SA8.
Alt.: 3770–4000 m.
Ref.: Griffin 1975a, Steere 1948.

Zygodon gracillimus Broth. ex Fleisch.
Dist.: SA8, Asia, Australia, Java, New Zealand.
Ref.: Hermann 1976.

Zygodon intermedius B.S.G.
Dist.: SA8, J Fdez, Africa, Asia, Australia, New Zealand.
Ref.: Robinson 1975, Kis 1985.

Zygodon liebmannii Schimp. ex C. Müll.
Dist.: NA5, CA6, SA6, SA10.
Alt.: 1829–2400 m.
Ref.: Steere 1948, Bowers 1974.

Zygodon longisetus Williams
Dist.: SA7.
Alt.: 3960 m.
Ref.: Menzel 1992.

Zygodon lukasii Herz.
Dist.: SA7.
Alt.: 4600 m.
Ref.: Menzel 1992.

Zygodon macrophyllus Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Zygodon nivalis Hampe
Dist.: SA0, SA6.
Alt.: 3962 m.
Ref.: Steere 1948, Churchill 1989.

Zygodon obtusifolius Hook.
Dist.: NA5, CA1, SA0, SA2, SA8, Africa, Asia, Australia, Ceylon, New Zealand; pantropical.
Alt.: 1900–3600 m.
Ref.: Hermann 1976, Pursell 1973.

Zygodon ochraceus C. Müll.
Syn.: *Zygodon pygmaeus* C. Müll.
Dist.: SA9, SA12.
Ref.: Yano 1989.

Zygodon oeneus Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Zygodon parvulus Geh. & Hampe
Dist.: SA9.
Ref.: Schäfer-Verwimp 1991.

Zygodon patrum Sehnem
Dist.: SA9.
Ref.: Yano 1981.

Zygodon perichaetialis Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Zygodon peruvianus Sull.
Dist.: SA0, SA7, SA8.
Alt.: 2400–4600 m.
Ref.: Menzel 1986a, 1992, Hermann 1976.

Zygodon petrophilus Williams
Dist.: SA7.
Alt.: 3960 m.
Ref.: Menzel 1992.

Zygodon pichinchensis (Tayl.) Mitt.
Dist.: NA5, SA0, SA2, SA6, SA7, SA8, SA12.
Alt.: 4035–4800 m.
Ref.: Hegewald & Hegewald 1985.

Zygodon pilosulus C. Müll.
Dist.: SA2, SA8.
Ref.: Hermann 1976, Pursell 1973.

Zygodon pungens C. Müll.
Dist.: CA6, SA2, SA9, Africa.
Ref.: Kis 1985, Bowers 1974.

Zygodon quitensis Mitt.
Dist.: SA6.
Ref.: Steere 1948.

Zygodon ramulosus Herz.
Dist.: SA8, SA9.
Ref.: Yano 1981, Hermann 1976.

Zygodon reinwardtii (Hornsch.) Braun ex B.S.G.
Dist.: NA5, CA1, CA6, SA0, SA2, SA6, SA7, SA8, SA9, WIa2, WIa3, WIa4, Africa, Asia, India, Java, New Guinea, Philippines, Tasmania.
Alt.: 1000–4400 m.
Ref.: Buck & Steere 1983, Kis 1985.

Zygodon rufescens (Hampe) Broth. in Par.
Dist.: SA0, SA6, SA8, New Zealand.
Alt.: 4000 m.
Ref.: Steere 1948, Churchill 1989.

Zygodon schenckei Broth.
Dist.: SA9.
Ref.: Yano 1981.

Zygodon setulosus Mitt.
Dist.: SA0, SA2.
Alt.: 3800 m.
Ref.: Griffin 1975a.

Zygodon sordidus C. Müll.
Dist.: SA0.
Ref.: Churchill 1989.

Zygodon squarrosus (Tayl.) C. Müll.
Dist.: SA0, SA6.
Alt.: 4267 m.
Ref.: Steere 1948, Churchill 1989.

Zygodon stenocarpus Tayl. var. *linearifolius* (Mitt.) Malta
Dist.: SA7.
Alt.: 2750–3950 m.
Ref.: Menzel 1992.

Zygodon stenocarpus Tayl. var. *stenocarpus*
Dist.: SA0, SA6, SA7.
Ref.: Steere 1948, Menzel 1992.

Zygodon subrecurvifolius Broth. in Herz.
Dist.: SA8.
Ref.: Hermann 1976.

Zygodon subsquarrosus Broth. ex Malta
Dist.: SA6.
Ref.: Steere 1948.

Zygodon vestitus Williams
Dist.: SA8.
Ref.: Hermann 1976.

Zygodon viridissimus (Dicks.) Brid.
Dist.: NA3, NA4, NA5, CA1, SA9, WIa4, Africa, Asia, Canary Islands, Caucasus, Europe, Japan.
Alt.: 2000–3900 m.
Ref.: Buck & Steere 1983.

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